



Premium Products at Lightning Speed



About Webknot

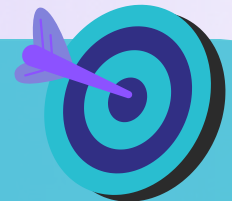


Webknot is a full stack end to end product development company specializing in software engineering, data engineering , product development, quality assurance, cloud architecture and digital transformation.

80+ Team **30+** Projects

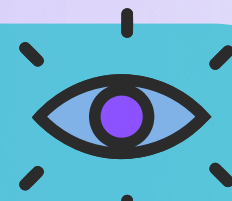
4 Years **20+** Clients

- Like-minded people sharing passion for technology.
- An endeavor to evolve with the future.
- Established in 2019 with an expiry date of never, we aim to lead innovation.
- Community-driven evolution in building Saas technology.
- To us, 'Team' and 'Family' mean the same thing.



Mission

Impacting the world by enabling ambitious businesses to completely leverage the power of technology.



Vision

To be recognized as a leading technology consultant across all spectrum of industries.



01

Incorporated In 2019

02

Grew from a living room idea
to a full scale organisation

03

Started with 3 developers now
houses more than 70

Our Services



Where your business meets our cutting-edge tech

Data Engineering & Data Science



Artificial Intelligence

Transforming complex data-set into pioneer artificial intelligence solutions, pushing the boundaries of innovation to redefine industries and unlock new possibilities through cutting-edge AI technologies.



Machine Learning

Deep Learning, Prediction Engine, NLP, Unsupervised Learning, Sentiment Analysis.



Data Analytics

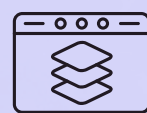
Transforming complex data-set into actionable intelligence, enabling our clients to stay ahead of the competition and seize new opportunities.



Data Engineering

Transforming complex data-set into strive to optimize data pipelines, ensuring efficient and accurate data flow for informed decision-making and business growth.

Product / Platform Engineering



Full Stack Development

Agile end to end and high quality application development with deliverables every 2 weeks.



Web & Mobile App Development

We use revolutionary technologies like React, React Native, Flutter, etc., to make futuristic products.



UI & UX Design

We use tools like Figma, Adobe XD, Invision, and Sketch . Unique designs for your product, guaranteed to be user-centric and a visual treat!



Maintenance & Upgrades

We work on multiple cloud providers - AWS, GCP, Azure and On-prem deployment



Project Management

We offer comprehensive project management to produce desired results within the timeline.

Digital Infrastructure



Devops

We use Devops methodologies for continuous Integration and deployment throughout the SDLC.



Cloud Services

We work on multiple cloud providers - AWS, GCP, Azure and On-prem deployment .

Our Process



Product Development



Ideation and Concept
Development



Product Design and
Prototyping



User Experience and User
Interface Design



Product Testing and
Validation



Manufacturing and
Production



Product Launch and
Support



Data & Analytics



Data Analytics



Data Visualization



Business Intelligence



Predictive Analytics



Data Governance
and Management



Data Strategy and
Roadmap



Application Modernization



Legacy Application
Modernization



Cloud Migration



Microservices Architecture



DevOps and
Continuous Delivery





API Development
and Integration





Modern Application
Development


Technologies


 Design Tools


 Invasion


 Adobe XD


 Figma


 Sketch


 Mobile Development


 Android


 Flutter


 React Native


 iOS


 Front End Development


 Vue


 Angular


 Next JS


 React


 Cloud


 Cloud


 AWS


 Azure


 Back End Development


 Django


 Flask


 FastAPI

 NextJS

 Redis

 SQL

 MongoDB

 Neo4j

Technologies



AI/ML



Pandas



OpenCV



NLTK



Numpy



Neo4j



PyTorch



TensorFlow



Keras



Matplotlib

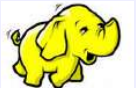


SciPy



Scikit

Data Engineering



Hadoop



Apache Spark



Kafka



Apache Sqoop



Amazon Kinesis



GCP DataFlow



Hive



Athena



Snowflake

Dev Ops



Micros services



Docker



Monolith



Jenkins Jenkins

Managed Service Projects

GREEN LIGHT BALANCE



Objective:

- Frontline workers are people who see the worst of the worst. Firefighters, Law Enforcement Officers, Doctors experience traumatic events as part of their daily job. It's extremely important that we help these people navigate their trauma and come out on the other side, healthy.
- Greenlight Credentials wanted to build a platform that these frontline workers can use to keep track of their mental health and get the necessary help at the right time and by the right people.

Solution:

- The Balance ecosystem has a mobile app for frontline workers. Users can track their mood, benefit from the self-help resources and connect with their peers for emotional support.
- The Balance ecosystem has a Physician portal, access to the mental health reports of their frontline workers.
- Used by the Texas Law Enforcement Agency to provide their officers with the help they need.

MITAAN



Objective:

- The Chhattisgarh State government is striving to provide all the government services to its citizens via the mechanism of “Home Delivery of govt services”
- Client Stakeholders were unorganized with no documentation.
- All Stakeholders had different ideas on the product with nobody on the same page.
- Extremely tight deadline: Product inception to Delivery - 2 months
- On Prem Production Deployment in 1 day

Solution:

- We spoke to each stakeholder - identified the purpose of the product and defined personas and use-cases of the product, Create design prototypes, went through multiple design iterations.
- Established Software Requirements Specification all within 2 weeks of time.
- Delivered production software for 7 personas in 2.5 months' time.
- Quickly formed a team of 15 and started the very next day.

PALETTE EDU



Objective:

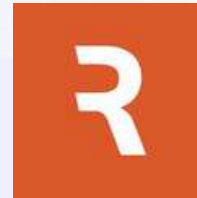
- Application to work with multiple different client CRMs (Salesforce, PAWS, etc).
- Each user can have multiple personas in multiple Programs.
- Normalizing requests and responses from different CRMs.
- Normalizing requests and responses from custom CRM PAWS (Palette - AWS).
- Complete Microservices Implementation.

Solution:

- Creation of a private NPM package (PAWS con) to query Custom CRM (PAWS).
- Middleware module implementation on the Backend Microservices to normalize requests and responses from CRMs and from PAWS Con.
- Manage user relationships with the relationship manager.

Managed Service Projects

Objective: RENDER



- Render works with telecommunications providers in Australia and the United States to help provide an easier way to manage their people and activities.
- Render's clients have multiple projects going on at any given time and these projects are assigned to multiple contractors.
- Render has achieved this by building a Micro-Frontend Web Application that can be used to create and manage tasks. There is a dashboard that contains various Analytics Reports and Visualizations.

Solution:

- the various Data Pipelines to source data from various sources and create the necessary reports for the users to see.
- Our solution includes Debezium for Change Data Capture, Confluent Kafka to provide scalable and fault-tolerant event streaming capabilities, Databricks for creating jobs for data processing Sisense for Data Visualizations

Objective: MORPHBOTS



- The vision for Morphbots is to create a platform for young students to learn Robotics at a young age.
- The first step in achieving this is to create a remote robotics system. Morphbots were struggling to build a bridge between a physical robot and a website. The website is designed to accept bookings for sessions wherein students can have full control of the robot for 15 mins.

Solution:

- Used the MQTT protocol paired with AWS for fast and real-time transfer of commands from the website.
- Used AWS to establish a Peer to Peer connection between the website and the Raspberry Pi.
- Used the WebRTC protocol for real-time video streaming.
- Maintaining low latency was of paramount importance for the product. We achieved a latency of less than 1 second for the video streaming.

Objective: BLISSCLUB



Objective:

- Build mobile applications (iOS and Android) with ReactJs codebase (Client preference).
- Build an admin dashboard to manage the mobile apps.
- Use shopify APIs as the data source and as the primary backend and integrate a long list of third party services.

Solution:

- Used capacitor to derive ios and android builds from the ReactJs code.
- Used firebase as an intermediary server to proxy APIs from Shopify to the mobile apps.
- Integrated push notifications and other mobile specific functionalities with a native shell.
- Arrived at a highly cost optimized solution as the shopify's backend server and the APIs were effectively reused without rebuilding any of the logic

Key Partners Overseas



- Provided 2 pods of Data Engineering team with a platform engineering team. (Around 12 resources)
- Have been actively engaged with them since over a year
- Eliminated Pixid's dependencies on other consultants and freelancers.
- Added value by our team taking complete ownership and delivering in time.
- Won the client's confidence and are the sole vendors for them.

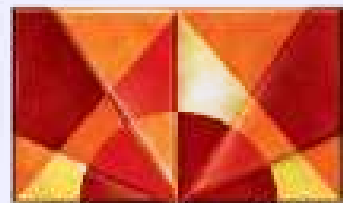
The logo for SleevesUp, featuring the word 'SLEEVESUP' in white capital letters on a black rectangular background.

- Provided 1 pod of development team.
- Provided resources for frontend, backend, design and Data science .
- Have been actively engaged with them close to 1 and a half years
- Our pod worked on their flagship products - sorted and scorz on their releases.
- Our resources have been involved with SleevesUp's core development team.

The logo for ai advanced infrastructure, featuring the letters 'ai' in a large green font, followed by the words 'advanced infrastructure' in a smaller green font.

- Have been engaged with them from more than 2 years
- Provided frontend, backend, data science and design engineers at a cost effective price to help them come up with their first version of their platform to procure investment.
- Provided a couple of engineers on a C2H basis as they were very integrated with their core tech team.

Key Partners Domestic



ADITYA BIRLA GROUP

- An Enterprise with a 65 billion dollars of revenue per year.
- Provided 3 pods of developers to their tech wing -GDNA (Group Data and Analytics).
- We were able to successfully close the gap of a vendor disassociation where in which major projects were halted because of engineers shortage. Our resources were successfully able to carry on the running projects and deliver delight to the customer.
- We have been engaging with Aditya Birla group for close to 3 years.



- A mid size startup with over 500 employees.
- Worked with them on delivering end to end solutions.
- Was the first partner to gain confidence to manage end to end delivery.
- Have provided over 4 pods on resourcing engagements.
- Have worked with following enterprises via GeekyAnts:
 - HDFC Bank
 - Reliance Jio
 - KingSley gate
 - Rivian



- A interior design company that has a platform to design spaces.
- Provided them with a pod to speed up their release. We were able to plug into their development team and increase their efficiency by restructuring the development processes.
- We are expecting to take up independent modules with them.

Ecosystem Partners



Official Partner on their Linode partnership program

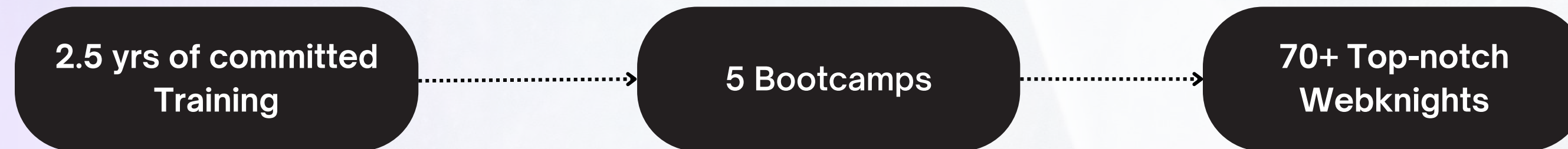


A part of Amazon Partner Network

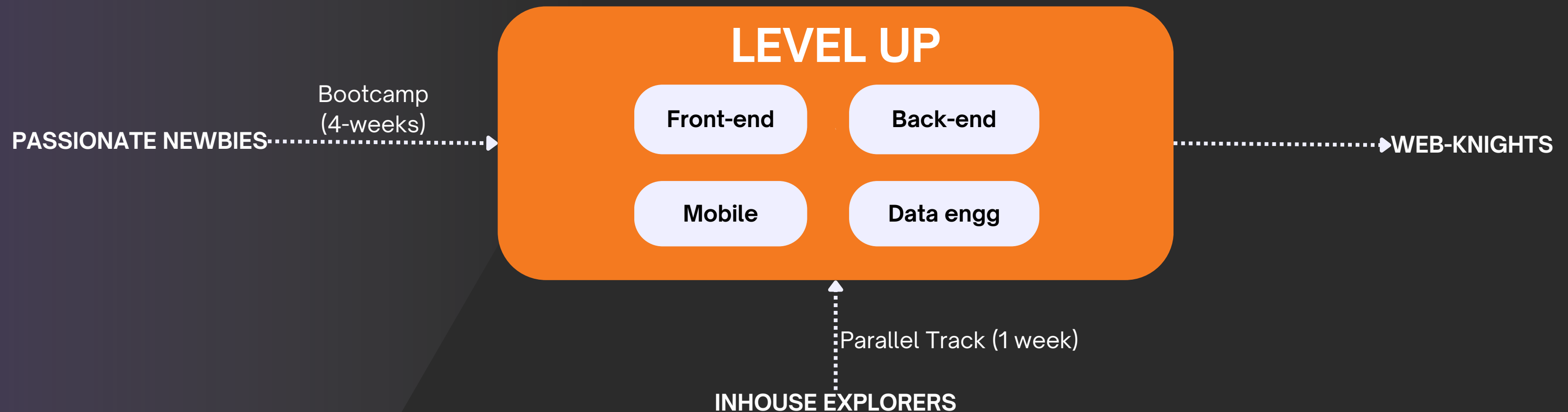
LevelUP Program



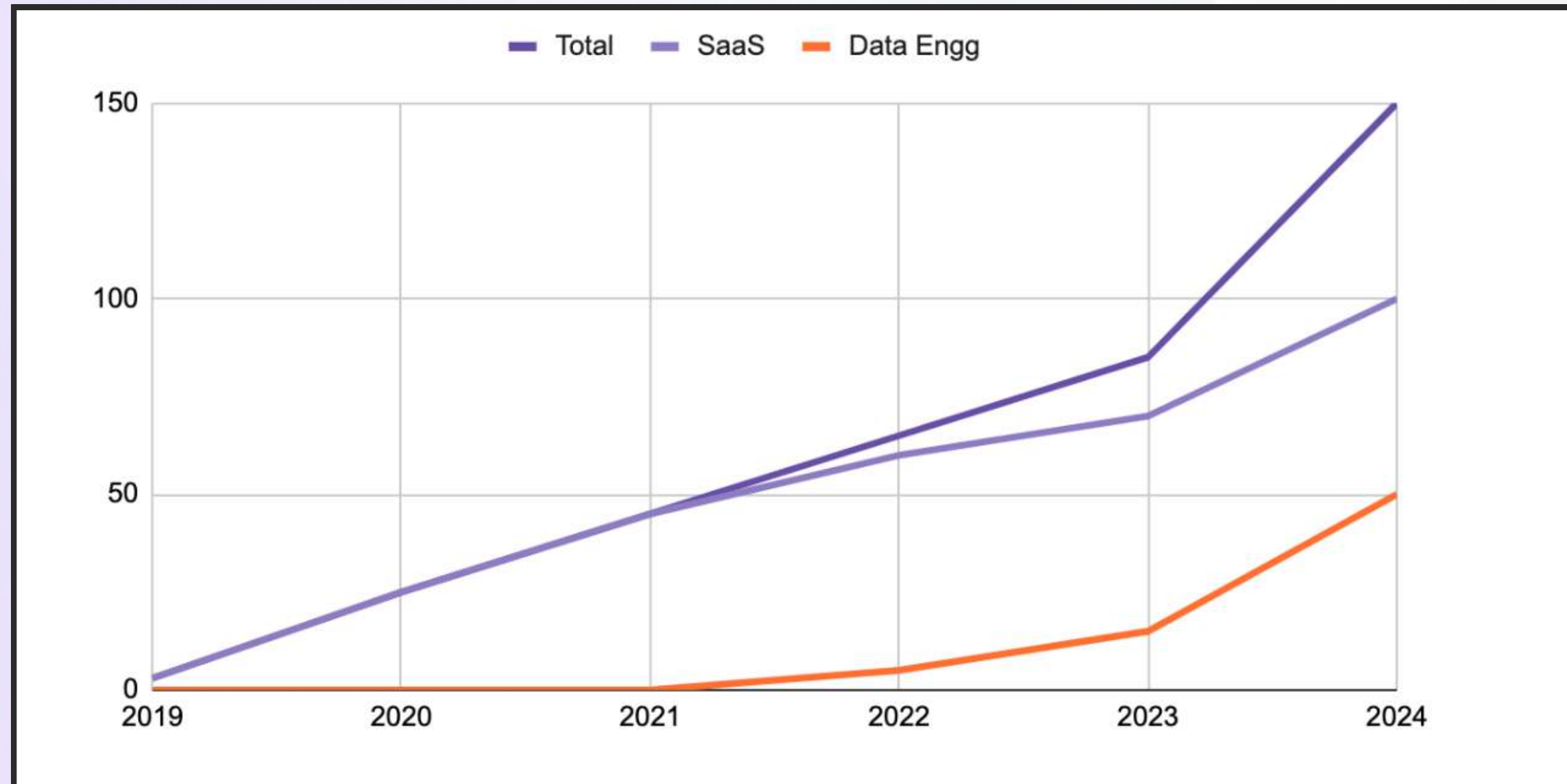
Metrics



Process flow diagram



Team Growth



- **3:2** ratio between Traditional and Data Engineering
- **5:1** ration between Tech : Non-tech
- **↑ 21%** Senior tech engineers
- **↑ 5%** Increase in Middle Management

Value Proposition



Delivering Excellence, every time!

On Managed service projects (**MSPs**) right from the business analysts to developers to tech leads to the delivery managers, we take up extreme ownership of the delivery and the quality of delivery.

Sprint wise demo of development with sprint wise reporting and sprint retrospective sessions.

Provision of deliverables milestone wise.

- Support and maintenance after the product delivery with a **1 day SLA** for issue resolution

Unlocking Developer Brilliance, On-Demand!

Hiring a **dedicated team** of experts to add to your existing platform or build an innovative software solution from scratch is as smooth as it gets.

We provide dedicated delivery managers that shall make sure the resources are working at the highest efficiency.

- We ensure a very smooth experience by having monthly feedback sessions, weekly summary reports and our tech leads continuously reviewing and making sure of high development standards.

Tech Spartans at Your Service!

Rapid Problem Resolution: Our team of seasoned tech Spartans are dedicated to swiftly identifying and tackling challenges head-on. We pride ourselves on our ability to diagnose issues promptly, minimizing downtime and disruption to your business operations.

Efficiency in Action: With a relentless commitment to efficiency, we optimize every aspect of problem-solving. Our methodologies and tools are finely tuned to ensure that we not only fix issues but also streamline processes for long-term gains, boosting your overall efficiency.

Cost-Effective Solutions: We prioritize delivering cost-effective solutions. We believe in providing value without breaking the bank. Our tailored strategies are designed to maximize your ROI, ensuring that you get the most out of your tech investments.

Our Values



Radical Honesty

We provide real-time, honest updates on project progress, risks, and opportunities, so you're always in the know.

Our actions are guided by a strong moral compass, ensuring integrity in all our interactions and project decisions.

We Own It, No Matter What!

We take full responsibility for your project's success, from start to finish.

Our dedication persists, ensuring your project reaches its goals, no matter the hurdles.

Your Win, Our Grin!

Our success is measured by how well we achieve your objectives, whether it's boosting user engagement, increasing revenue, or enhancing user experience.

Our commitment to your success extends beyond the initial project; we continually strive to optimize and enhance your product to ensure ongoing success and growth.

Glass walled processes

We maintain open and transparent processes, providing you with a clear view of every stage of your project, from planning to execution.

We encourage open and honest communication, fostering trust and confidence by actively involving you in decision-making and addressing any concerns promptly.

Employee Retention

We at Webknot have a recipe for **Natural retention**.
(Flat hierarchy, Fun Culture & Recognition of Hardwork and Talent)



- Bench Strength: **20%**
- Avg Bench time: **15-30** days
- Attrition rate: **8.33%**
- TAT for Hiring: **2-3 weeks**

Client Roadmap



Kickdrum

Larsen & Toubro



Models of Engagement



Fixed Scope Engagement Model

→ We offer a fixed-scope engagement model with predefined project scope to help you get expected results with higher visibility and less management.

Agile Product Development Model

→ Implement a digital transformation through iterative, incremental, and evolutionary agile product development that focuses on all the components of a project lifecycle instead of just the technical ones.

Dedicated Team Engagement Model

→ Hire a dedicated team of experts to add to your existing platform or build an innovative software solution from scratch to turn your ideas into reality in an easy and manageable way.

Testimonial



Leading global companies trust us to develop tailored solutions for their business. And we always ensure to go beyond their expectations and deliver a 5-star-worthy experience. We take pride in consistently achieving this goal.

The reviews shared by our clients speak for themselves.



"They've gone above and beyond expectations, delivering work promptly. Overall, they've stood out for their transparency and team management skills."

- Sandipan, CEO Xelpmoc



"I am delighted to provide a testimonial for our esteemed partner, Webknot. Throughout our years of partnership, they have consistently delivered high-quality work while demonstrating great flexibility and accountability in project delivery. Webknot's expertise in web and mobile app development, combined with their meticulous attention to detail, ensures flawless project execution. They readily adapt to our evolving business needs, embracing new technologies and accommodating client requests without compromising on quality. Transparent communication and a proactive approach have fostered a strong sense of trust and confidence in Webknot's services. We consider ourselves privileged to have them as our partner and eagerly anticipate further collaboration to achieve new milestones together."

-Pramada Sahu, Chief Portfolio officer UK Operations, Geeky Ants



"Webknot stepped up when we were in need of a reliable software vendor and did a great job supporting us on our development needs"

- Manigandan, Principal Architect, Aditya Birla Group



Leadership Team



Vijay Anand

Chief Executive Officer



Kousick shanmugam

Chief Technical Officer



Pranav Sathish

Chief Operation Officer

Advisory Panel



Ramesh Subrayulu

Tech Advisor



Harshith S

Strategy Advisor



Pavan Pudipeddi

Growth Advisor