Delgersuren Bold

delgersuren.bold@gmail.com · (415) 812-6686
https://www.linkedin.com/in/delgersurenbold

Full-Stack Developer.

I am a full-stack engineer with emphasis on ReactJS, NodeJS, Python, Java, Objective-C and various JavaScript frameworks. Last few years, I have been developing systems to advance medical research & patient care in hospitals and acquired skills from designing web APIs, UI, EMR data visualization to product development cycle. I have been involved in building clinical databases in various forms and worked with GE BedMaster, Philips and Natus software outputs for machine learning analysis. I have also had some experience deploying ML models on web apps and iOS devices with wearable technologies like E4. In my recent projects, I have been working as Cloud/Solutions architect and gained quite an experience with AWS, AZURE Cloud technologies and its use cases. I am a quick learner and adaptable professional who is very comfortable with agile development and very excited to share and advance my career.

Knowledge and Skill

Languages: JavaScript, Python, Objective-C, Java, Django, C/C++, R, Matlab, PHP, Swift
Web Front-End: ReactJs, Material UI, CSS, jQuery, HTML, Flask.
Back-End and Database: NodeJS, HapiJS, ExpressJS, Sequelize, MongoDB, MySQL, SQL, NoSQL, JSON, XML, Hadoop.
Cloud: GCS, Azure, AWS and IBM.

Professional Experience

EMORY Health, Dept. of Nursing – Sr. Research Data/Informatics Specialist – (Feb.2022-present)

- Full-stack developer, Cloud/ Solutions architect, EPIC Analyst

DUKE Health, Dept. of Nursing – Research Specialist – (Jul.2021-Feb. 2022)

- Full-stack developer, Cloud infrastructure architect, Data analyst II

UCSF Medical Center, Dept. of Neurology – Research Specialist – (Jan.2020-Jun 2021)

- Full-stack web app development, Clinical database building management

UCSF Medical Center, Dept. of Physiological Nursing - Full Stack engineer – (May.2016-Dec 2020)

- UI Design, API implementation. Project deployment.

For more experiences: https://www.linkedin.com/in/delgersurenbold

Recent Projects

-NLP clinical notes annotation tool

Full-Stack development – (Jul .2021-present)

- Multi-user web application built to collect training data for ML model by annotating clinical notes with MetaMap(NIH) concept highlights.

Software Stacks: ReactJs, ExpressJs, NodeJs, Sqlite, AWS, Material U, MetaMap, Python, Jenkins, PM2, GitLab, Docker.

-Realtime PPG signal processing with CoreML.

iOS development – (Aug .2021-present)

- iOS mobile app, running CoreML signal processing model in real time streaming PPG signals from E4 wearable device.

Software Stacks: Swift UI, CoreML, RestAPI, MongoDB Atlas.

-Stroke Management tool

Full-Stack development – (February .2020-present)

- Outpatient management platform, enabled with mobile app integration to collect and manage patient's blood pressure, PPG signal and various other data like sleep, exercise and steps.

Software Stacks: ReactJs, HapiJs, NodeJs, CanvasJs, SQL, Google Cloud, Material UI.

-Pulsatile Tinnitus Clinic tool

Full-Stack development – (May .2020-present)

- In clinic patient management web based application to build an analyzable PT clinic database.

Software Stacks: ReactJs, HapiJs, NodeJs, CanvasJs, Material UI, SQL.

-EventAnnotator

API's, UI development – (February.2018-present)

- Multi-user platform primarily annotating clinical events for various research study and machine learning algorithms.

Software Stacks: ReactJs, HapiJs, NodeJs, CanvasJs, Google Cloud, AWS.

-SuperAlarm

API's, UI development – (December.2016-2018)

- Real-time machine learning enabled patient sudden deterioration detection software.

Software Stacks: ReactJs, HapiJs, NodeJs, CanvasJs, Python, Matlab, Redis.

-AlarmExpert

API's, UI development – (September.2016-2018)

- Real-time alarms, waveform visualization web portal for alarm management.

Software Stacks: ReactJs, HapiJs, NodeJs, CanvasJs.

Education

San Francisco State University
M.S. in Computer Science graduated Jan. 2016
B.S. in Computer Science graduated Jan. 2012

Achievement

The SPOT Award 2018 – http://great.ucsf.edu/star-program
The SPOT Award 2017 – http://policy.ucop.edu/_files/policies/STAR-Plan.pdf
The Next Great Data Developer Finalists - Cassandra Summit 2013
http://www.planetcassandra.org/blog/meet-the-next-great-data-developer-finalists/