Clay McLeod

CONTACT INFORMATION

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SUMMARY

Senior engineer, product designer, and people leader with experience leading teams of 25+ individuals working in the areas of fullstack application development, genomics, DevOps, product development, and database design.

PROFESSIONAL EXPERIENCE

St. Jude Children's Research Hospital — Memphis, TN

Director of Product Development and Engineering	**February 2020 - Present**
Manager of Bioinformatics Software Development	**February 2018 - February 2020**
Senior Software Engineer	**June 2016 - February 2018**

- Built and managed a team of 25+ dedicated and 60+ non-dedicated engineers, designers, and product developers building the pediatric cancer data sharing ecosystem, St. Jude Cloud. Learn more about the St. Jude Cloud ecosystem and the applications contained within at our recent redesign blog post.
- Analyzed, harmonized, and maintained the largest whole-genome sequence repository in the world, including providing access to ~1.5Pb of genomics data to 230+ labs across the world in pursuit of cures for children afflicted with catastrophic diseases.
- Designed and launched an ecosystem of applications which is access by more than 3,000 pediatric cancer researchers every week from around the world.
- Served as an expert individual contributor and then built and guided teams to be excellent in the areas of product design, fullstack web development, genomic analysis development, database design, cloud infrastructure, and devops.
- Received the 2019 Amos Jacobs award (employee of the year), the highest award given to employees at St. Jude Children's Research Hospital.

Curtsy, Inc. — Palo Alto, CA (remote)

Software Engineering Consultant   **Jan 2016 - May 2016**

- Contributed to multiple projects within the company spanning mobile (iOS), server-side development (NodeJS), and standing up cloud infrastructure in AWS (previously non-existent).
- Funded by Y Combinator, one of the country's top startup incubators.

FedEx Services — Memphis, TN

Software Engineering Intern   **Summer 2015**

- Built a mobile application for optimizing delivery routes for drivers for both iPhone (iOS) and Android (Java) devices with a scalable backend server written in NodeJS, ExpressJS, and MongoDB.
- Created a proprietary machine learning server/path optimization server written in Python with open-source tools such as scikit-learn and pandas.
- Recipient of the FedEx Technical Mastery award (x2) and the Director's Choice Award for best project. Employee choice award for 2015 best intern project.

EDUCATION

University of Mississippi, University, MS

M. S. Computer Science   **May 2016**
- Master's GPA - 4.0/4.0
- Financed my college education through assistantships and scholarships.

B. S. Electrical Engineering (emphasis in Computer Engineering)   **May 2014**
- Major GPA - 3.81/4.0, Overall GPA - 3.66/4.0
- Graduate of the Sally McDonald Barksdale Honors College

SKILLS

Frontend Development. Vue, React, Blade, Javascript, Typescript
Backend Development. Ruby, Ruby on Rails, PHP, Laravel, Javascript, Typescript, NodeJS
Command Line Tool Development. Python, Golang, Rust
Database Design. PostgreSQL, MySQL, MongoDB
DevOps. Microsoft Azure, Google Cloud Platform, Amazon Web Services, Terraform, Terragrunt, Kubernetes, Helm, Splunk
Genomics. Development of analysis pipelines for next-generation sequencing data