BRYAN MCKERNON
FRONTEND ENGINEER

CONTACT

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SKILLS

- React
- TypeScript
- Sass / Scss
- Git & GitHub
- Linux
- Unit Testing w/ Jest
- Node.JS w/ Express.JS
- Postgres & MySQL
- Requirements Gathering and Analysis

EDUCATION

B.S. Information Systems

San José State University

2014 - 2018

Udemy Online Coursework

2019 - 2021

PROFILE

Currently a React enthusiast with a passion for frontend development I value reusable, efficient, and easily manageable web applications and libraries. I believe empathy, curiosity, and pragmatism are the pillars of frontend development. Persistent, patient, and motivated I work well on a team and enjoy collaborating with others to build sophisticated web applications that drive business and create opportunities for end users.

EXPERIENCE

Frontend Software Engineer, Mantra Bio
March 2021 – September 2022

- Developed the Mantra App, an internal tool used companywide, as well as the Mantra Library, a collection of reusable components used to standardize and accelerate Mantra App development

- Developed interactive 96 well microplate with multi well select which allows scientists to bulk edit wells before exporting for flow cytometry (module one)

- Developed interactive dynamic form for creating and editing companywide In Vivo studies (module two)

- Refactored module one into a reusable component and developed functionality to easily modify different types of Microplates and identify current well state: bioreactor, harvst, maintenance, and isolated product (module three)

- Developed Microplate Tree View; a recursive function that displays Microplates and all associated children in the form of summary cards

- Mantra App was developed using React, SCSS, Material UI, VS Code, GitHub, Kubernetes, CircleCI, and Jest

Frontend Software Engineer, Independent Contractor
2018 – 2021

- Developed several web applications and mobile applications including registeredprocessserver.com and bayarealawyers.com

- Technologies from jQuery to React, CSS to SCSS, MySQL to MongoDB, Apache Web Server to Node.JS with Express.JS were used throughout these projects

- Android Studio with Java was used for mobile application development, though my preference today would be to use React Native

o All web applications were deployed to Amazon Web Services such as EC2, Route 53, RDS, S3, and Elastic Beanstalk

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Business Analyst Intern, Santa Clara County
2017 – 2018

o Developed a data glossary for Santa Clara County's Criminal Justice Information System
o Facilitated meetings and interviewed analysts and architects for insight on information system
o Acting project manager responsible for prognosticating tasks, timelines, and deadlines