ALVIN NGUYEN: SOFTWARE ENGINEER

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Primary Tech Stack: React, Node, Postgres, Express.

SUMMARY

Driven and experienced cloud based applications developer using key technologies and frameworks in Javascript. Experienced in joining and contributing to existing projects as well as starting a project from beginning to end including deployment and scheduled releases.

TECHNICAL SKILLS

Front-End: Headless CMS, Data visualization, HTML, CSS, JavaScript (ES6), TypeScript, React, Redux, Next.js, jQuery, Styled Components, Tailwind CSS, SASS, AJAX, Adobe XD, Sketch, Figma
Back-End: Node, Express, Python, RESTful API, SQL, AWS Serverless Lambdas, Heroku, Postgres, Mongo, Oracle, Vercel, AWS EC2, Terraform, AWS S3, AWS Cloudwatch, Shell Scripts
Testing & Dev-Tools: Jest, Enzyme, React Testing Library, Mocha, Chai, Git, GitHub, Jira, Chrome Dev Tools

WORK EXPERIENCE

Opentrons Pandemic Response Lab- *Software Engineer II*
Jan 2022 - Feb 2023
- Responsible for automating workflows of new PCR Panels (Influenza, STI) using **Javascript/Typescript** and **React/Next.js**, leading to two new product offerings for our clinic and hospital clients
- Took ownership in writing backend api integration using **Express , Open API, Postgres, AWS Lambda, Terraform, AWS S3, and AWS Cloud Watch** to automate the PCR Lab and maximize efficiency of lab assistants. Increasing lab efficiency by 200%
- Manage production bugs as an on call first responder for **PagerDuty** incidents. Respond within 15 minutes to provide initial resolution with estimates on swiftness of hotfix
- Lead application releases to 3 different production environments: apply **database migrations**, apply **terraform** changes, apply code changes
- Lead key **design and architecture** meetings to add and refactor existing workflows
- Aligned with various team members ranging from engineering, product, design, and BI through daily and weekly stand-up, ticket grooming, retro, bug bash and deployment sessions
- **Mentor** junior engineers in various engineering and configuration tasks and reviewed pull requests

Softech Associates Inc- *Software Engineer*
 Sept 2018 - Dec 2021
- Develop full stack applications using **React, Python, Java languages. Use existing libraries and frameworks: React, Next.js, Express, NodeJs, MongoDB, Oracle, Kendo**, etc.
- Lead key design and architecture meetings to map **Oracle** databases with model objects of multiple software integrations
- Use **Jira** to work with the team to complete all stories in the current sprint
- Work with QA Team to demonstrate functionality and testing, bug fixing
- Work with the Run Team in critical **releases** to ensure the new code is deployed in production successfully
- Monitor and apply **hotfix** to the production environment backlog

Los Angeles Department of City Planning - *Software Engineer Intern*
Sept 2017- May 2018
- Integrate a web map for automating the scoring process of transportation models
- Create dynamic components for the web map using **CSS, HTML, Javascript, jQuery**
- Implement map functionality and shape file support using **ESRI ArcGIS Javascript API**
- Create a **machine learning** model for traffic collision reduction in Los Angeles

EDUCATION

California State University - Los Angeles
 Sep 2015- June 2018
Bachelors of Science - Computer Science