Francesca Varney

Software Engineer

fran.varn@gmail.com

15132409911

linkedin.com/in/franvarney

San Francisco, CA

EXPERIENCE

Software Engineer
NextBillion.org Mar 2018 - Present

- Architected RESTful backend API using Node.js, Hapi.js with PostgreSQL for data persistence, implementing passwordless login designed to enhance security for 500+ tech students with disabilities.
- Refactored JavaScript and Vue.js front end data stores and components to improve scalability and optimize speed of developing new features by 20 - 30%.
- Led development and system architecture using Heroku for deployment, SSL, and CI/CD, collaborating with CTO to implement new decisions.

Software Engineer, Contract
Patch Benefit Nov 2017 - Mar 2018

- Engineered health advocacy platform using JavaScript, Ruby on Rails and Sass, designed to transform patient experience for over 300 million Americans by funneling various points of health care contacts into one system.
- Implemented kanban board style drag and drop functionality for health advocates to manage task scheduling over 3X faster utilizing JavaScript, Ruby on Rails and Sass.
- Resolved 20+ front end issues with JavaScript, Ruby on Rails, HTML5 and CSS3 for creating modals, adding table styles, filtering contacts and incorporating side navigation.

Software Engineer
Xervo Mar 2015 - Oct 2016

- Improved existing filesystem manager to automatically remove outdated and unused user deployed projects utilizing JavaScript, Node.js and Hapi.js which greatly reduced AWS hosting costs by over $24,000 annually.
- Automated user account creation for 400+ teams for company sponsored virtual hackathon, Node Knockout, ensuring project was completed in less than 2 days.
- Engineered and maintained open source Node.js modules knock-knock (which achieved > 1000 downloads) and Xervo command line application.
- Designed and developed back-end features for 20+ microservices utilizing Node.js, Hapi.js, and Express.
- Followed TDD, increasing test coverage and reducing bugs by > 75% writing 200+ unit tests with Mocha.

Software Engineer
US Digital Partners Jun 2014 - Mar 2015

- Created breast cancer awareness campaign using PHP and Laravel to provide map of fundraising marathons for combating 300,000+ new cases of breast cancer each year.
- Quickly developed web platform for major retail giant in < 2 weeks utilizing PHP and Laravel, enabling 99% of their clients to launch online advertisements on their system.

SKILLS

Node
HTML/CSS
Javascript

EDUCATION

Associate in Applied Science
Cincinnati State

Aug 2015

Computer Programming & Database Management

Software Engineer
Procter & Gamble Ltd. Oct 2016 - Apr 2017

- Re-designed Olay Skin Advisor for desktop compatibility utilizing JavaScript, ReactJS and Koa, increasing web-based consumer engagement for P&G's beauty care line by more than 15%.
- Integrated MS Computer Vision API into Node.js and Hapi.js RESTful backend following a microservices architecture, enabling OCR to identify Olay product details with > 85% accuracy.
- Developed Alchemy Innovation Labs website for internal marketing team using ReactJS, Sass, and Webpack.

Web Developer
Whities Car Care Jun 2011 - Jun 2014