# Francesca Varney

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## TECHNICAL SKILLS

- **Proficient:** JavaScript (ES6), Node.js, Hapi.js, Express, ReactJS, Ruby on Rails, MongoDB, PostgreSQL, HTML5, CSS3, Sass, Flexbox, Stylus, Webpack, Unity, Agile Development, TDD, Mocha, Chai, Sinon, Lab, Code, Git
- **Exposure:** C#, Laravel, LESS, Redux, Koa, MySQL, ASP.NET, SQL Server, Sitefinity, WordPress, VB.NET, Vagrant

## WORK EXPERIENCE

**[Nextbillion](#) | Software Engineer | San Francisco, CA (Remote)**                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.

**Patch | Software Engineer, Contract | San Francisco, CA (Remote)**                2017 - 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.

**Procter and Gamble (P&G) | Software Engineer | Cincinnati, OH**                2016 - 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.

**Xervo (formerly Modulus) | Software Engineer | Cincinnati, OH**                2015 - 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](#).
- Created open source Node.js modules [knock-knock](#) (which achieved > 1000 downloads) and [Xervo](#) CLI system.
- 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.

**US Digital Partners | Software Engineer | Cincinnati, OH**                2014 - 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.

**Whities Car Care | Web Developer | Cincinnati, OH**                2011 - 2014

## EDUCATION

**A.A.S. Computer Programming and Database Management,** *Cincinnati State*                2015

## OPEN SOURCE WORK

**Guard Your Garrison | Game Designer + Software Engineer | [live](#) | [code](#)**                2018
*WebGL game based on "Defend Your Castle" series where players hold their ground against invading cartoon army with game logic and assets developed using Unity and C#.*

**Hapi.js | Open Source Contributor | [live](#) | [code](#)**                2016
*Resolved desktop and mobile CSS3 styling issues for Node.js framework enabling developers to focus on reusable logic.*