

ALEX VINCENT-HILL

SOFTWARE ENGINEER

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EXPERIENCE

- 2018-2020 | **Zume Inc.** | *Software Engineer* | San Francisco, CA
 - Led development of component library in Vue.js with PMs and designers
 - Reduced project build time by 75% with parallelization of testing/linting processes and dependency caching
 - Identified and fixed security policies in SonarQube and JIRA deployments
 - Chartered company Toastmasters club, recruited 35 members and was elected President
- 2017-2018 | **Fetch** | *Solutions Engineer* | San Francisco, CA
 - Saved \$2M in labor costs by automating media-buying across Google and Facebook ads platforms with React and VBA applications
 - Designed application frontends for internal and outsourced users
 - Documented processes and outsourced 5 media operations FTEs
 - Spearheaded the creation and instruction of MS Excel VBA curriculum to 75 staff in SF, LA, and London offices to amplify staff productivity
- 2014-2017 | **HP Inc.** | *Process Engineer* | Corvallis, OR
 - Developed next-generation inkjet manufacturing methods by A/B testing hybrid laser-wet etch processes
 - Integrated new \$3.2M silicon etch tool to improve quality of printer production volume and increase throughput
- 2014-present | **Freelance** | remote
 - Expanded client's userbase by 300% in 1 year by optimizing Google Ads
 - Designed woot.com products with ~3,000 total sales worldwide, ~\$50k total revenue

EDUCATION

- 2014 | **University of California, Berkeley** | B.S. Chemistry

PERSONAL

- Became conversational in Spanish after studying in Granada, Spain
- Traveled to 25 countries

TECHNICAL SKILLS

Strong: JavaScript/ES6/Node.js, CSS 3 (Grid, Flexbox), React, Redux, Vue.js, Bash, Zsh, Git, Jest, PostgreSQL, Ubuntu Linux

Experienced: Express, Vuex, MongoDB, MySQL, HTML 5, AWS (EC2, S3, Route 53, CloudFront, ELB), GCP/GCR, Spinnaker, Docker, Jenkins, CircleCI, Codeship, Kubernetes, Webpack, Babel, npm, yarn, jQuery, SQL, TypeScript, Python, Java, VBA, Mocha, Chai, Cypress, Enzyme, Puppeteer, Stryker-Mutator, Grunt, Storybook, Auth0, Kafka, RabbitMQ, LaunchDarkly, Segment.io, Tableau Server, Google Ads, JIRA, Trello, PagerDuty

PROJECTS

SoundScale | SoundCloud-like media application

- Increased throughput by 70% to 580 rps by horizontally scaling microservice proxy layer with AWS EC2s/ELB
- Reduced query time of 60M PostgreSQL records by 90% to 2.7ms by indexing on foreign key
- Stressed and analyzed architectures with loader.io, Artillery, and New Relic to identify performance bottlenecks

Parmezon | Amazon-like eCommerce site

- Deployed Dockerized 'Reviews' React.js/Express microservice to AWS EC2 VM to decouple functionality
- Designed proxy REST API to serve distributed architecture of component microservices
- Achieved 80% test-coverage with Jest/Enzyme to ensure component reliability

fizzbang | OOP React.js browser game with procedurally generated game boards

gitstorm | NLP interface for git and bash with Google Dialogflow and Node.js

Particle Simulation | Physical chemistry OOP 3D particle sim in Java

https://avh.party | Portfolio website in React deployed on AWS S3