

San Francisco, CA
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Jessica Rahman

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TECHNICAL SKILLS

Strong: React, Javascript (ES6), Node.js, Express, Git, MongoDB, Mongoose, Webpack, AWS, jQuery, Bootstrap, HTML5, CSS3

Knowledgeable: Redux, AngularJS, Backbone, mySQL, CircleCI, Enzyme, Jest, Mocha, Chai, Docker, Heroku

PROJECTS

Crunchly Co, Software Engineer

A business information platform that aggregates demographic and financial data on tech companies.

MongoDB, Mongoose, Express, Node.js, React, Webpack, Docker, AWS

- Implemented a modular, flex-based front end using Webpack and React.
- Visualized Crunchbase Open API data to simulate 10,000 different tech companies.
- Designed microservice architecture that cooperated through RESTful API calls.
- Integrated microservices through an Express-based proxy server and deployed to Amazon EC2 instance using Docker & Dockerhub.

Apatight, Backend Engineer

A restaurant review platform scaled to handle production-level traffic.

React, Node.js, Express, Webpack, MongoDB, PostgreSQL, New Relic, Redis, Artillery.io, AWS, Docker

- Handled over 10 million data entries of historical and live data to optimize querying and analytics under data load.
- Created tangible system and data analysis metrics through Artillery.io and New Relic.
- Improved concurrency through performance/stress testing and profiling.

howmanybees, Software Engineer

An interactive data visualization about the importance of bees to food production.

d3, React, Node.js, Express, MongoDB, Mongoose, Webpack, AWS

- Implemented a clustered force layout using the D3.js library. Created custom clustering, collision detection and gravity formulas. Customized an entry transition to minimize distracting movement.
 - Scraped data from USDA.gov & agricultural textbooks.
 - Designed UI that encourages the user to connect with the data.
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PROFESSIONAL EXPERIENCE

UCLA, Clinical Research Coordinator | Los Angeles, CA

2016-2018

- Integrated and maintained a SQL database that served as the UCLA Cardiovascular Genetics Clinic's main search engine.
 - Wrote and managed Institutional Review Board (IRB) applications for four different clinical studies.
 - Created social media content on Twitter and UCLA Health websites to promote community outreach.
 - Directly managed clinical undergraduate volunteers (10+/year) and grew the lab team from only myself (1) to 18 people that covered both clinical and wet lab research.
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EDUCATION

Hack Reactor SF, Advanced Software Engineering Immersive

2018

Lund University, Masters in Public Health

2013-2015

UCSD, Bachelors of Science in General Biology

2009-2013