

Akshaj Mahesh Mody

akshajmody@gmail.com

Current Address: Kaminoge 4-30-8, Setagaya-ku, Tokyo 158-0093, JAPAN

U.S. Address: 926 Russia Ave. San Francisco, CA 94112, USA

Visa Status: US Citizen and Permanent Resident of JAPAN

Github: github.com/akshajmody **LinkedIn:** [linkedin.com/in/akshajmody/](https://www.linkedin.com/in/akshajmody/) **Website:** akshajmody.com

JP Phone: +813 3703-7619

US Phone: +1 303-818-9689

TECHNICAL SKILLS:

Front End: JavaScript, ES6, ReactJS, Redux, HTML5, CSS3, Bootstrap, jQuery, Babel, Webpack, Jest, Enzyme, AJAX

Back End: MySQL, PostgreSQL, MongoDB, AWS (S3, EC2), Go, Mocha, Chai, Loader.io, New Relic

Proficiencies: Node.js, Git, Docker, Python, Tableau, Agile, STATA IC, Chart.js, Bloomberg Terminal, MS Excel

Languages: • **English and Gujarati:** Native • **Japanese:** Business-level • **Korean:** Conversational

SOFTWARE ENGINEERING PROJECTS

Misé - full-stack ecommerce app for loading product data with an Express and PostgreSQL scalable architecture

- Constructed the back end for a product checkout and store availability microservice with AWS EC2, Express, and PostgreSQL after benchmarking NoSQL vs SQL options on a dataset of 10 million primary records
- Stress tested service by utilizing K6, Loader.io, and New Relic to identify bottlenecks and monitor requests per second
- Horizontally scaled back end by deploying server and database on separate EC2 t2.micro instances ultimately improving requests per second by 70% while maintaining 0% error rate, <2000ms latency, and lower server RAM usage

Crypto Cartographer - full-stack web app for live BTC, ETH, and LTC prices and to chart historical BTC data

- Utilized CryptoCompare API to procure live cryptocurrency pricing data and display prices on main app page
- Created form allowing user to input custom date range and retrieve historical Bitcoin price information via CoinDesk API
- Implemented interactive Bitcoin price charting tool with Chart.js to graphically display data retrieved from CoinDesk

Vessell - full-stack ecommerce app for viewing item shipping region availabilities and suggested products

- Built an interactive product microservice with image carousel and modal window using React, MongoDB, and AWS EC2
- Optimized page performance from speed index of 16.6s to 2.1s and Lighthouse score from 2 to 98 by implementing AWS S3 image storage optimization, asset compression, and minification
- Achieved 70% test coverage by implementing Jest and Enzyme to minimize bugs and perform test-driven development

Kenkō - full-stack health app for generating and customizing unique diet and meal optimizations for longevity

- Developed a user-friendly React based front end with a seamless UI experience in navigating a diet generation and optimization process with features including cuisine selection, saving, and ingredient health benefit analysis view
- Designed, implemented, and deployed Express and PostgreSQL servers with a RESTful API to AWS EC2

PROFESSIONAL EXPERIENCE

Fisher Investments – Portfolio Management Group (CA, USA) ***February/2018 – December/2019***

Portfolio and Research Implementation Associate

- Constructed over 2,300 new tailored portfolios with varying equity/fixed income asset allocation strategies for high net worth clients by utilizing Excel, Access/SQL databases, FIN, and Bloomberg Terminal
- Team lead and primary liaison for FI International, managing critical tasks and associates for all international portfolios while communicating with European investment counselors to execute intraday trades before European market close
- Strategized and traded US, Canadian, and European portfolios for specific clients' needs including tax-loss harvesting, re-balancing for performance optimization, risk mitigation, new portfolio integration, and asset allocation shifts

Lockheed Martin Space Systems (CO, USA)

June/2016 – August/2016

Market Analyst Intern

- Conducted extensive financial research and analysis on international target markets, agencies, and clients to provide potential strategy recommendations for senior management
- Graphically modeled space program expenditure data from numerous countries through Excel, created daily research reports, and presented insights directly to the Vice President of Strategy and Business Development
- Converted technical engineering charts of the A2100 Satellite into business oriented charts for full executive-level presentation to clients' senior management in order to improve multi-million dollar commercial space sales process

EDUCATION

Hack Reactor – San Francisco (CA,USA)

Graduation: 2020

- **Advanced Software Engineering Immersive Program**

University of Colorado, Boulder (CO, USA)

Graduation: 2017

- **Bachelor of Arts, Economics – Concentration: International Finance**

Dean's List 2016 – 2017

- **Business Analytics and Innovation Minor**

Alpha Kappa Psi Professional Co-ed Business Fraternity Brother and Professional Developer