NAVANEET RAMABADRAN

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SKILLS

Languages:	JavaScript, Typescript, Terraform, Python, Ruby, Java, SQL, HTML5, CSS3, SASS, C++, MATLAB, Mathematica, VBA
Fullstack:	React.js, Redux.js, Canvas, Material-UI, Firebase, jQuery, Express.js, Node.js, Flask, Rails, Amazon EC2
Datastores:	MySQL, MongoDB, PostgreSQL, Sequelize.js, Apache Cassandra (DataStax Enterprise), Amazon S3, Google Cloud
Infrastructure:	New Relic, Grafana, Kibana, SonarQube, Jenkins CI/CD, Should.js, K8s, Kubectl, Docker, Fargate, Selenium
Technologies:	Google Actions, Google Dialogflow, Google Structured Data, Webpack, Git, Jupyter Notebooks, Tableau, Origin
Data Analysis:	Six Sigma Green Belt (6σ), Failure Mode Effects Analysis (FMEA), Design of Experiment (DOE), Pareto Analysis, Agile Methodology

EXPERIENCE

Fullstack Software Engineer - *Ancestry.com* 2019 - Present

- Developed w/ React, Sass, Express, Node, MySQL, Cassandra, Redis, Kubernetes, Docker, AWS S3, Fargate, EC2
- Expanded customer and Googlebot traffic to millions of previously uncrawlable Historical Person pages with new paginated search results logged out experience
- Increased uptime, site reliability & customer experience by implementing Smoke & Canary CI/CD on all stacks
- Scrummed Agile story point estimates and acceptance criteria for .NET stack tech transition to Node.js

Engineer - *QuSwami* 2017 - 2019

- Streamlined technical data analysis workflow with Excel Macros and VBA Scripts for reduced analysis time
- Automated chemical deposition of device with programmable robot arm to increase throughput
- Initiated and managed new and existing partnerships with key vendors and technology collaborators
- Developed deposition processes technology for final process step in fabrication of QuSwami's novel solid-state energy conversion device

Electrochemical Engineer - *Innovation Economy Laboratory* 2015 - 2017

- Formulated Design of Experiments (DOEs) for new material formulations, rapid annealing, deposition workflows and Li-Ion coin cell builds
- Reduced user negligence by 90% with new SOPs and online scheduling system to track SEM Microscope usage
- Organized and instructed a 10+ group of undergraduate researchers in biweekly group meetings

PROJECTS

FlexJobs *(MongoDB, Express.js, React.js, Node.js, D3.js, Material-UI, HTML5 Canvas, CSS3)* Live | GitHub

Job portal that matches software developers with job openings by parsing for keywords and keyphrases in resumes & listings

- Integrated GitHub's Jobs API to pull up-to-date data exclusively regarding software engineering job listings
- Formulated an algorithm employing Dice Coefficient string comparison of resumes and listings to order listings for users' personal profiles by match percentage
- Incorporated React-D3-Cloud NPM package to populate HTML5 Canvas cloud maps with key-phrases analysis of listings generated from Retext Natural Language Processor, saving users on average ~2.6 min/application
- Leveraged Material-UI to integrate React components, reducing turn-around time by an estimated 7 hours and implementing more beautiful design language

Clone-ify *(PostgreSQL, Ruby on Rails, React, Redux, Amazon Web Services, HTML5, CSS3)* Live | GitHub

Feature-rich clone of Spotify Web Player with user profiles, artists, albums, playlists and seed music data hosted in AWS S3

- Integrated Amazon Web Services API to host mp3 and jpg seed data for songs and cover art
- Built complete music web player with vanilla JavaScript to enable continuous play
- Reduced audio frequency buffer overload and significantly improved frontend rendering latency by over 80% as measured by Chrome Network tab metrics
- Implemented search feature with ActiveRecord queries of Rails backend to find songs, albums and artist

EDUCATION

App Academy - *1000-hr immersive full-stack software engineering course* (2018-2019)
San Jose State University - *MS - Engineering - Battery Technologies* (2017-2019)
University California, Riverside - *Material Science and Engineering* (2015-2017)
University California, Santa Barbara - *BS - Chemical Engineering* (2011-2015)