Taron Avagyan Software Engineer

contact@taronavagyan.com Los Angeles, CA taronavagyan.com taronavagyan

Profile

I'm a full-stack Software Engineer based in Los Angeles, California, with experience in JavaScript/TypeScript, AWS, PostgreSQL, MongoDB, React, and Go. I spend my free time training for a National Master title in chess.

Skills

Backend
Node.js, TypeScript, Go, Express, RESTful APIs, SQL (PostgreSQL), NoSQL (MongoDB), Java

Frontend
JavaScript (ES6), TypeScript, React, Redux, CSS3, HTML5, jQuery, Pug, Handlebars

Cloud
DigitalOcean, Docker, Heroku, AWS (RDS, IAM, API Gateway, Lambda, S3 Buckets), GCP, Firebase

Other
Git, Github, Bash/shell, Jest, Nginx, Postman, HTTP, Agile, Scrum, Confluence, CLI

Experience

Co-Creator & Software Engineer, 2023 – present
Embrasure (https://embrasure.dev)
Embrasure is an open-source, self-hosted secrets manager built on AWS for small teams.

- Architected and automated deployment of 10 unique microservices and components (RDS, VPC, API Gateway, Lambda), ensuring ease of installation and high availability
- Streamlined AWS architecture management with one-command setup and teardown
- Engineered a wrapper for AWS SDK methods to enhance interaction efficiency
- Ensured robust security measures, including at-rest/in-transit encryption with Amazon RDS and TLS
- Established temporary credentials via AWS IAM, creating 15-minute tokens to defend against session-hijacking attacks
- Implemented secure secrets injection in Node.js, redacting sensitive data from logs
- Resolved access monitoring challenges by implementing a logging middleware for the API server
- Collaborated with remote engineering team using Agile workflow
- Authored technical case study (https://embrasure.dev)

Open Source Software Engineer, *Mozilla/Firefox Desktop* 2024 – present

- Implemented a comprehensive update to the remote agent folder, specifically targeting lazy assertions to ensure standardized and information error messages across *dozens of files* to improve debugging efficiency.
- Introduced a new assertion method to bolster code robustness and readability, enhancing type safety.
- Promoted code organization and extensibility by relocating misplaced functions and refining element property names.
- Actively mentored and onboarded new contributors, providing guidance and support to facilitate their integration into the project and foster their growth within the open-source community.

Software Engineer, *Self-Employed* 2021 – 2023
Developed open-source projects and provided services to small businesses.

Education

Capstone Program, *Launch School* 2021 – 2023
Multi-year full-stack software engineering curriculum emphasizing mastery of core skills and programming fundamentals. Read more at launchschool.com/employers