Carl Guan

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OBJECTIVE:
I am an enthusiastic full stack software developer, eager to learn and expand my skillset

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TECHNICAL SKILLS:
Coding: JavaScript/TypeScript, Golang, Rust, Python, Lua, React
Operating Systems: Windows, Linux
Tools: Git, Bash, AWS, Jenkins, Kubernetes, Docker, GCP

WORK EXPERIENCE:

Capital One | Software Engineer   **(April 2021 – Present)**

Part of an internal infrastructure team that owns a web application for use by company architects written in JavaScript + Golang which organizes and provides company application data + traffic, ensures compliance and categorizes capabilities.

Responsibilities include:

- maintain and enhance our web application portal and a collection of golang batch functions that update our application database daily, activities involve fixing bugs and significantly improving performance
- implement features for forms to onboard new applications capturing information such as ownership, purpose and capabilities, useful features include auto-population of answers and sending data to ServiceNow as the source of truth
- initiate development of an engine for evaluating rules against applications, I implemented a queue + lambda to forward results for monitoring, notifications and future reference. We work with and enable the governance team to sustainably enforce existing policies and facilitate inclusion of new policies
- create bash + javascript scripts for quality of life improvements at work, i.e. automatic creation of security fix PRs, token retrieval and environment organization in Postman, and simplifying production deployments

CVS Health | Software Engineer   **(Oct 2020 – April 2021)**

- develop NestJS backend microservices for CVS HealthHUB, ensuring thorough unit testing with 100% code coverage, and supporting integration with frontend and testing teams
- set up Jenkins pipelines to deploy the new microservices as well as migrating legacy technologies to Google Cloud Kubernetes clusters

Tata Consultancy Services | Software Developer   **(Sept 2017 – Oct 2020)**

- Involved in development of several Java applications to eliminate day-to-day manual assignments and hours/days of wasted labor, dramatically improving productivity
- Troubleshot and improved client site to greatly reduce latency, enhance UI and fix issues such as browser compatibility and execution flow

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EDUCATION:
Bachelor of Science in Computer Science, *Rutgers University*   **May 2017**

PROJECTS:

WaniKani Japanese Library Chrome Extension
Chrome extension written in ES6 JavaScript which calls a NestJS Rest API I created that stores and returns Japanese radicals, kanji, and vocabulary for quick and convenient retrieval in the browser when on the WaniKani website, streamlining the review experience

GamesDiscount
JavaScript and Java web application that uses the CheapShark API to find and/or filter and display the cheapest deals on games sold by online vendors; http://www.gamesdiscounts.co/home