Joshua Cowell

Software Developer

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PROFILE

A product-driven backend developer with a keen eye for application security who's always looking to learn more. Currently working with Java, Spring Boot, and TypeScript technologies, but is eager to learn a new stack.

SKILLS

Java | Spring Boot | AWS | TypeScript | React | Tailwind | Kubernetes | PostgreSQL | Unit Testing
CI/CD | Docker | Linux/Unix | Go | Hashicorp Vault | Git | Veracode | Bash | HTML/CSS

PROFESSIONAL EXPERIENCE

Software Developer - Application Security   08/2022 – present
NISC   United States
- Develop an envelope-encryption-based library used to secure customer data by integrating with AWS Key Management Service and Hashicorp Vault
- Lead the development of a Recaptcha library to mitigate the attack surface on company assets.
- Manage the infrastructure and build pipelines for security-related infrastructure in the department
- Collaborate with stakeholders across various teams to improve department-wide security posture
- Remediate known vulnerabilities using JFrog Xray and Veracode

PROJECTS

Personal Website 🔗   03/2022 – present
My personal website.
- Built a website using TypeScript, React, and Tailwind CSS to increase online presence.
- Manage the project using Git and GitHub for version control.
- Utilize Verce
- Configure DNS using Route 53 and Cloudfront.

Akiya Scraper 🔗   05/2022 – present
A web scraper written in Go.
- Create a web scraper to extract price, size, and location information from a real estate website.
- Leverage an ORM to complete CRUD operations on a PostgreSQL database.
- Provision resources on Heroku to support the backend.

EDUCATION

Bachelor of Science, Software Development   08/2021 – 05/2022
Western Governors University   Salt Lake City, Utah

LANGUAGES

English   **Japanese**
Fluent   *C1*