BARRETT OTTE

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SKILLS

Languages: Java, Groovy, SQL, C#, TypeScript, Python, JavaScript, ColdFusion, RPGLE, Shell

Backend: Spring, Spring Boot, Node.js, Drools

Frontend: Angular, Vue.js, Stencil.js

Data: Postgres, DB2, MSSQL, Apache Kafka, ElasticSearch, Prometheus, Grafana

Tools/Other: Docker, Kubernetes, Nginx, Git, SVN, Jenkins, Gitlab, AWS Lambda, Azure AD

WORK HISTORY

Software Engineer - Enlighten, a Huntington Ingalls Industries Company **01/2022 - Present**

- Responsible for maintaining backend service for Big Data Platform.
- Primarily worked with Java, Spring, and Postgres.
- Exposure to ElasticSearch, Hadoop, Graphite, Prometheus, and Grafana.

Software Developer Analyst - Goodville Mutual Casualty Company **01/2020 - 01/2022**

- Worked on modernization projects using Spring Boot, Angular, MSSQL, and DB2 SQL.
- Supported and learned IBM i legacy system using RPGLE, DB2 SQL, Control Language, and DDS.
- Aided in claims system data migration and integration.
- Exposure to XSLT, Drools, AWS, SalesForce, Kubernetes, and Jenkins.

Software Web Developer - Goodville Mutual Casualty Company **06/2018 - 01/2020**

- Worked on modernizing existing systems using Spring Boot, Angular, and SQL.
- Supported ColdFusion and Java monolith systems.

EDUCATION

Computer Science B.S. with Cyber Security Minor - University of Maryland Global Campus **2018**

- Algorithm Analysis, Data Structures, Concurrent Programming, Programming Language Design
- Network Security, Software Engineering, Ethical Hacking, Computer Architecture, Linear Algebra

Computer Science A.S. - Harford Community College **2015**

- Vector Calculus, Networking, Assembly(x86), Discrete Mathematics, C/C++, Java

PROJECTS

DSL-5250 - https://github.com/barrettotte/DSL-5250

- A Groovy domain specific language designed to facilitate headless automation of a 5250 emulator.
- Written as a proof of concept for easy screen automation/scraping of legacy system during covid.

ARM Assembly QR Code - https://github.com/barrettotte/qr-asm

- A challenge to generate a QR code from scratch with only ARM assembly.
- Implemented Reed-Solomon error correction with polynomial arithmetic and light Galois theory.

Enki OS - https://github.com/barrettotte/enki-os

- A small 32-bit x86 kernel made to study how operating systems function.
- Implemented bootloader, FAT-16, Lib C, ELF loader, processes, userland, and more.

Perceptron ASM - https://github.com/barrettotte/perceptron-asm

- A challenge to implement a single-layer perceptron neural network in only x86 assembly.

Angstrom CPU - https://github.com/barrettotte/angstrom-cpu

- A 4-bit accumulator-based CPU designed to do the bare minimum and nothing more.