BARRETT OTTE

barrettotte@gmail.com
White Hall, Maryland

github.com/barrettotte
linkedin.com/in/barrettotte
barrettotte.github.io

SKILLS

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

Backend: Spring, Spring Boot, .NET Core, Flask, Node.js, Drools

Frontend: Angular, Vue.js, RxJS, SCSS, Bootstrap, Stencil.js

Data: Postgres, DB2, MSSQL, Redis, Apache Kafka, ElasticSearch, 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 the Air Force BDP (Big Data Platform).
- Primarily worked with Java, Postgres, Spring, Apache Kafka, Hadoop, and Grafana.
- Held Secret clearance (April 2022 - present).

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 midrange system using RPGLE, DB2 SQL, Control Language, and DDS.
- Became a new IBM i resource to help bridge the knowledge gap between web and legacy systems.
- Aided in claims system migration and integration.

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

- Worked on modernizing existing systems using Spring Boot, Angular, and SQL.
- Supported and augmented 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 and Integral 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 implemented in 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.