

BARRETT OTTE

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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

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

WORK HISTORY

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

- Responsible for maintaining the Air Force BDP (Big Data Platform).
- Primarily worked with Java, Postgres, Spring, Hadoop, and Apache Kafka.
- 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

PERSONAL

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 during covid.

ARM Assembly QR Code - <https://github.com/barrettotte/qrcode-arm>

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

VS Code IBM i Languages - <https://github.com/barrettotte/vscode-ibmi-languages>

- Syntax highlighting for IBM i languages such as RPG, CL, DDS, MI, and RPGLE fixed/free.
- Written to increase productivity while maintaining legacy IBM i systems.

Other Skills: Go, C, C++, Assembly (x86, ARM), Verilog, Ruby, LaTeX, GraphQL

Interests: History of computing, computer architecture, compilers, electronics