BARRETT OTTE

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github.com/barrettotte
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SKILLS

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

Backend: Spring Boot, Gradle, JBPM, Drools, .NET Core, Flask, Node.js, Apache FOP

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

Database: MSSQL, DB2, PostgreSQL, Redis, MongoDB

Tools: Docker, Kubernetes, Nginx, Git, SVN, Jenkins, GitHub Actions, AWS Lambda, Azure AD, Elasticsearch

OS: Windows, Linux, IBM i

Other: Atlassian Suite, Agile Scrum Methodologies, Microservices (REST and SOAP)

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

WORK HISTORY

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

- Worked on modernization projects using Spring Boot, Angular, 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.

PERSONAL

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

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

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/qr-asm
- 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.