

# 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

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## 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

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## WORK HISTORY

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

- Responsible for maintaining new features for the Air Force BDP (Big Data Platform)
- Primarily worked with Java, Postgres, Spring, 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.

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## 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, LaTeX, GraphQL

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