

John Bell-Higgins

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CAREER OBJECTIVE:

Programming Analyst and Software Engineer with hands-on experience developing, maintaining, and supporting backend software systems across the full SDLC. Skilled in building Java, and C# applications, integrating REST APIs, and optimizing SQL databases. Strong foundation in debugging, code refactoring, and data-driven automation. U.S. Navy Veteran with proven leadership, adaptability, and attention to detail in fast-paced environments.

TECHNICAL SKILLS:

- **Programming:** Java, C#, Python, JavaScript, C, C++, Bash, VBA (familiar), HTML/CSS
- **Development Tools:** Spring Boot, Node.js, RESTful APIs, SQL, PL/SQL, MySQL, SQL Server
- **Cloud & DevOps:** GitHub, CI/CD, Azure DevOps, Spring Boot, AWS (EC2, S3 – basic familiarity), Docker
- **Practices:** Agile/Scrum SDLC, CI/CD, Test-Driven Development (TDD), Junit5, Automated Testing
- **Data & Analytics:** Data Quality Assurance, Data Cleaning Automation, Backend Diagnostics

PROFESSIONAL EXPERIENCE

Programming Analyst Intern | Jacksonville Electric Authority, Jacksonville, FL

August 2024 – Present

- Developed program logic for new backend services using C#, Java, and PL/SQL to support operational systems.
- Participated in full SDLC — from requirements analysis and coding to testing and deployment using Agile practices.
- Boosted backend system performance through SQL profiling, code refactoring, and logging enhancements
- Integrated REST APIs and implemented real-time data notifications, improving operational visibility and system responsiveness.
- Used GitHub, CI/CD pipelines, and Agile methodologies to ship production-ready backend features.

Database Administrator Intern | Jacksonville Electric Authority, Jacksonville, FL

March 2024 – August 2024

- Automated database tasks with Python and Bash scripts to reduce manual workload by 50%.
- Applied performance patches and conducted SQL tuning across Oracle environments.
- Developed and deployed backend Python tools for data quality assurance and reporting accuracy.
- Developed internal tools using HTML/CSS, improving UI usability and team efficiency.
- Strengthened skills in Linux scripting, backend diagnostics, and system-level troubleshooting.

Hospital Corpsman | U.S Navy

October 2016 – August 2021

- Deployed to Kuwait and Jordan (May 2019 – November 2019)
- Trained and supervised 12+ junior corpsmen
- Demonstrated adaptability, focus, and leadership in diverse operational environments.

PERSONAL PROJECTS

Weather Intelligence Application

- Engineered a full-stack weather dashboard using Java, Spring Boot, and MySQL.
- Integrated third-party REST APIs to provide real-time weather data with <200ms latency.
- Designed a responsive frontend using HTML/CSS/JavaScript.
- Practiced requirements gathering, development, testing, and deployment, simulating full SDLC.
- Technologies: Java, Spring Boot, REST APIs, MySQL, HTML/CSS, GitHub

EDUCATION:

University of North Florida — B.S. in Computer Science

Aug 2021 – May 2025 | GPA: 3.48