Edward Ricks

Software Engineering | Full-Stack Development | Secure Application Design
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PROFESSIONAL SUMMARY

Software engineer with hands-on experience building Java/Spring Boot REST services and full-stack portfolio applications. Strengths include API design, testing, SQL-backed applications, React/TypeScript interfaces, and security-conscious development. Currently completing a B.A.T. in Cybersecurity while expanding production-oriented architecture and cloud skills.

CORE SKILLS

Languages & Frameworks
Java, Groovy, Python, JavaScript, TypeScript, Spring Boot, Flask, React, Next.js, Node.js, Express

Data & Engineering
PostgreSQL, MySQL, SQLite, Prisma, REST APIs, Git, Jira, CI/CD, JUnit, Agile workflows

Security & Systems
OWASP, authentication, authorization, session security, Wireshark, Active Directory, Windows Server labs

EXPERIENCE

Junior Software Engineer | Helix Consulting — Feb 2023 - Feb 2024
- Developed and maintained REST API functionality using Java, Spring Boot, and Groovy in a collaborative software environment.
- Built and maintained JUnit tests for assigned code, supporting complete unit-test coverage for delivered changes.
- Worked within Git, Jira, CI/CD, and code-review workflows to track changes and support reliable releases.

Shipping Clerk / Process Assistant | Amazon — Aug 2023 - Jul 2026
- Coordinated time-sensitive trailer and cross-dock operations, improving trailer utilization by approximately 50% and reducing trailer requests by approximately 25%.
- Used operational data and issue triage to reduce process delays and support consistent handoffs across teams.

SELECTED PROJECTS

Developer Portfolio & Technical Writing Platform | Next.js, TypeScript, Express, PostgreSQL, Prisma
- Built a full-stack portfolio with session-based author authentication, draft/publish/archive lifecycle controls, tags, series, post relationships, and media-storage architecture.
- Separated public and author APIs, centralized validation/error handling, and designed storage boundaries for private S3 with CloudFront delivery.

Vulnerable Support Ticket System | Python, Flask, Security Testing
- Built an intentionally vulnerable support application, then iteratively remediated authentication, authorization, input-handling, and session-security weaknesses using OWASP-guided analysis.

EDUCATION

B.A.T. Cybersecurity - St. Philip's College | Expected Dec 2028