

Maxwell Hicks

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Software Engineer with a Bachelor of Science in Software Engineering from Arizona State University, Cum Laude. Proficient in Java, Python, and TypeScript, with real, independent experience designing, building, and deploying two full stack production applications, from database design through Docker-based deployment. Real, hands-on experience integrating generative AI and large language model APIs from a senior capstone project. Genuine, daily user of AI-assisted development tools, always reviewing and validating generated output before it ships. Strong foundation in object-oriented programming, data structures, algorithms, and relational database design. Seven years of escalating leadership responsibility in a fast-paced, customer-facing environment.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, HTML, CSS

AI-Assisted Development: Claude Code (daily), GitHub Copilot, LLM API Integration (Anthropic Claude, Google Gemini, DeepSeek), Prompt Engineering

Frameworks & Libraries: Spring Boot, Spring Data JPA, Flyway, React (coursework), gRPC (coursework), JUnit, REST APIs

Databases & Tools: PostgreSQL, MySQL (familiar), Git/GitHub, Docker, AWS (familiar), CI/CD Pipelines, Agile/Scrum

TECHNICAL PROJECTS

Job Board Monitor - Java 21 · Spring Boot 3.5 · Spring Data JPA · Spring Scheduler · PostgreSQL · Flyway · Thymeleaf · Maven · Git

- Independently designed, developed, tested, and deployed a full stack application, still running reliably in production today.
- Built REST APIs and a scheduled, asynchronous data pipeline that reliably ingests and processes external data on a recurring basis.
- Diagnosed and resolved a critical Docker networking issue with no one to ask, tracing the failure to its root cause through systematic log analysis and implementing a lasting fix.

Tarot REST API - Java · Spring Boot · PostgreSQL · REST APIs

- Independently designed and built a complete REST API from concept to completion, backed by a full 78-card dataset.
- Made deliberate schema design decisions, choosing a single Card entity with an ArcanaType enum over an inheritance hierarchy, to avoid over-engineering a fixed dataset.

Adaptive Virtual Assistant - Python · TypeScript · REST APIs · LLM Integration · DeepSeek · Google Gemini · Anthropic Claude · Prompt Engineering

- Collaborated with a 5-person team to design, build, and deploy an AI-powered application, integrating multiple external LLM providers.
- Participated in Agile ceremonies including sprint planning, daily standups, and retrospectives, achieving 99%+ system uptime through careful testing and iterative improvement.

EDUCATION

B.S. in Software Engineering - Arizona State University | GPA: 3.43 | Cum Laude

August 2025

Relevant Coursework: Data Structures and Algorithms, Secure Software Systems, Web Applications, Database Management, Operating Systems

PROFESSIONAL EXPERIENCE

Shift Supervisor | Starbucks | Louisville, CO

September 2018 - Present

- Trained and mentored 25+ team members over seven years, taking on escalating leadership responsibility in a fast-paced, customer-facing environment.
- Reduced customer wait times by 15% by identifying operational bottlenecks and redesigning workflow procedures.
- Communicated effectively with team members, leadership, and customers daily, adapting communication style to the audience and situation.