

Jamil Omer

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EDUCATION

Tennessee Technological University

Bachelor of Science in Computer Science

Cookeville, TN

Aug. 2019 – May 2024

EXPERIENCE

Programmer Analyst I

Sep. 2024 – March 2026

Wearwell

Smyrna, TN

- Owned end-to-end ETL workflows against Epicor ERP and relational databases across 5+ departments, enforcing data quality standards that reduced reporting errors by 30%
- Facilitated cross-functional requirement sessions with department leads to establish consistent reporting standards and data governance policies adopted org-wide
- Designed and maintained structured reporting solutions with metadata documentation and data lineage tracking, enabling real-time and historical performance analysis across departments
- Partnered with stakeholders to validate data accuracy and classify data assets, delivering 10+ governance-aligned dashboards and reports over 18 months

Software Engineer Intern

Oct. 2023 – May 2024

CodeTank Labs

Knoxville, TN

- Developed and shipped production-level software features in a client-facing SaaS environment from requirements to deployment
- Extended a high-friction payment system by adding payment methods and invoice management, improving checkout performance and reducing user friction
- Integrated Stripe APIs end-to-end to support transaction processing and PCI-compliant payment flows across the platform
- Designed and implemented a sales representative interface using Ruby on Rails, SQL, and Angular that improved day-to-day workflow efficiency for the sales team

PROJECTS

Safety Classifier | AWS CDK, Python, Lambda, Bedrock, API Gateway, DynamoDB

March 2026 – Present

- Designed and deployed a serverless classification pipeline on AWS applying structured metadata tagging and severity categorization to incident records, with DynamoDB as the data store and IAM least-privilege policies enforcing access controls
- Provisioned all cloud resources as code using AWS CDK, producing auditable, repeatable deployments aligned with security policy requirements
- Built and deployed a live REST API endpoint that categorizes incidents into severity levels with recommended actions in under 3 seconds end-to-end

NetPulse | AWS CDK, Python, Lambda, Step Functions, DynamoDB, EventBridge, SNS

Jan 2026 – March 2026

- Built an automated network health monitoring system on AWS with DynamoDB incident logging, GSI-based querying, and EventBridge-scheduled pipelines to proactively detect degraded endpoints
- Architected and deployed a Step Functions state machine orchestrating a multi-step remediation workflow — retry, reroute, alert, and resolve — triggered automatically by Lambda-based endpoint probes
- Wrote a pytest and moto test suite mocking AWS services to achieve full coverage without live cloud dependencies

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Operating Systems: Windows, Linux, MacOS

Developer Tools: Git, Docker, AWS (Lambda, CDK, DynamoDB, Step Functions, API Gateway, Bedrock, EventBridge, SNS), VS Code, IntelliJ, Ignition (Inductive Automation)

Software Engineering: OOP, Data Structures & Algorithms, SDLC, Backend Development, API Integration, Serverless Architecture, Infrastructure as Code (IaC), Version Control

AI/ML: LLM Integration, Prompt Engineering, Amazon Bedrock, Claude (Anthropic)