AHMAD IBRAHIM

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Software Developer with experience writing test scripts in Python for a telecom software testing company, as well as building websites using react for frontend, and PostgreSQL for the backend database. I am also knowledgeable in Java, C# and Azure cloud services. In addition, I have hands-on experience leveraging agentic AI tools to accelerate development workflows, automate testing, and improve project quality. Passionate about technology and solving problems and being a part of building and maintaining scalable solutions. I am looking to further my career as a software engineer.

Technical Skills

- **Languages:** Python, Java, C#, React
- **Database:** PostgreSQL
- **Cloud:** Azure
- **Tools:** GitHub, Jira, Confluence, VS Code/Studio, Cursor, Claude
- **Core Competencies:** Growth-oriented, adaptability, strong learning agility

Work Experience

Software Engineer | Intellica Inc. | Bellevue, WA   **February 2025 – June 2025**
- Engineered a RESTful API (Python) to automate Linux gateway parameter validation (dmcli/usp-agent/rbuscli), reducing manual troubleshooting time by 8–10× and surfacing hidden commit-required edge cases.
- Built Python automation scripts to test the writeability and behavior of engineering build gateway data model parameters (e.g., SSID names), including input boundary testing and error handling.
- Built a tool to convert large sets of TR-181 data model (a public data model that is used as a reference for telecom companies) parameters into a structured Excel report, for validation with device data model.
- Created a script that identified and summarized over 200+ mismatches between expected and actual parameter values across multiple interfaces.
- Collaborated with QA and DevOps teams to validate parameter behavior on different gateway hardware and documented the testing process for team reference.
- Diagnosed and engineered a fix for false-positive results in SSID automation by identifying undocumented requirements for a commit operation and integrating auto-commit logic into the test framework.
- Tools: Python, BitBucket, Jira, Confluence, VS Code, Terminal/Bash

IT Technician | Denali Advanced Integration | Redmond, WA   **August 2024 – February 2025**
- Set up, provisioned, and tested software for enterprise scanner devices used by clients such as Amazon.
- Configured and deployed client devices for Google and City of Seattle IT rollouts, ensuring compliance and functionality.
- Assisted in server and network hardware installation across IDF (Intermediate Distribution Frame) and MDF(Main Distribution Frame) environments.
- Documented deployment procedures and technical configurations to support repeatable rollouts.
- Managed and resolved support tickets using internal tracking systems, maintaining detailed documentation and communicating effectively with clients to troubleshoot and resolve technical issues.
- Collaborated with deployment teams to track, test, and document device configurations, improving turnaround time and consistency across IT rollouts.
- Performed diagnostics and repairs on end-user devices, including software reimaging, system updates, and OS-level troubleshooting for customers and enterprise devices.

Network & Systems Administrator / AV Technician | MAPS, Redmond   **July 2022 – August 2024**
- Managed MAPS' digital AV infrastructure, including a network-based audio system with centralized control over distributed speaker systems and live streaming technology.
- Led the technology operations for live events and broadcasts, ensuring high-quality audio and video performance through active monitoring, routing, and quick issue resolution.
- Administered the internal network systems, including basic network configuration and connectivity troubleshooting.
- Diagnosed and resolved AV and networking issues in real time, coordinating with staff and volunteers to ensure smooth event execution.
- Gained hands-on experience with enterprise-level AV systems, including signal routing, IP-based device control, and system resets – with strong understanding of how components integrate in a larger digital environment.

Education

Open University – Muscat, Oman   **2020**
B.Sc in Computer Science & Information Technology, 2nd Class Honors
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Programming with Java & Python

Certifications

C# & Azure Cloud Development (Skillspire | Microsoft)   **April 2024 – August 2024**
Skillspire Internship | Sistahology | Seattle, WA   **March 2025 – Present**
- Developed and deployed a full-stack journaling web app with secure authentication, profile management, and dynamic content delivery.
- Strengthened DB security by implementing row-level security (RLS), role-based access, and Supabase triggers; reduced potential data leaks to 0% in tests.
- Designed a journaling API over Supabase with standardized error codes. Integrated RESTful APIs using Node.js microservices and Supabase backend to support content management and user-generated data in a React/Next.js web application."
- Built automated Playwright test suites (UI, auth flows, accessibility); cut manual QA cycle time from ~2 days → <2 hours.
- Improved site reliability by debugging and optimizing auth bootstrap, reducing session load errors by 80% across dev/preview builds.
- Integrated Git/GitHub workflows, CI/CD prep for Vercel, and migration scripts for schema/index optimizations (write-heavy performance).
- Tech Stack: React, TypeScript, Supabase (Postgres, Auth, RLS), Playwright, Vercel, Git/GitHub, Node.js, TailwindCSS

Embracing AI (Skillspire | Microsoft)   **July 2025 – September 2025**
Agentic AI Development Skills
- Orchestrated a team of AI agents (Frontend, QA Lead, DB Guardian, Repo Librarian) to automate coding, schema checks, UI tests, and documentation.
- Automated DB audits and GitHub repo maintenance via Claude MCP servers; accelerated iteration speed by 3× compared to manual workflows.
- Leveraged AI for collaborative code reviews and deployment planning, aligning outputs with human-level engineering standards.