

HUSSEIN ALJORANI

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SUMMARY

Full-stack software engineer specializing in backend services and cloud-native architecture on Azure. Owns features end to end across .NET/C# APIs, React/TypeScript frontends, and CI/CD on a financial operations platform that manages disputes, invoices, deductions, and payments for a \$10B+ food redistributor. Strong in performance optimization, system design, and security, and ships faster by integrating AI into both the development workflow and the product.

TECHNICAL SKILLS

Backend: C#/.NET Core, Python, Java, REST API design, distributed caching, concurrency

Cloud & DevOps: Azure (App Services, Functions, App Insights, OpenAI, PostgreSQL, Key Vault, DevOps), AWS, Docker, Kubernetes, Terraform, GitHub Actions CI/CD

Frontend: React, TypeScript, JavaScript, Vue.js 2/3, HTML, CSS, Material UI

Data: PostgreSQL, SQL Server, MongoDB, Redis, Kafka, Entity Framework, Prisma ORM

Testing & Security: NUnit, Jest, Vitest, Veracode, gitleaks, Stripe, Postman, Git

Other: C/C++, SQL, Rust, Bash, VHDL | **Spoken:** English, Arabic (both native)

EXPERIENCE

Dot Foods

May 2024 – Present

Full Stack Software Engineer | C#/.NET, React, TypeScript, Azure, SQL

St. Louis, MO

America's largest food redistributor (\$10B+ revenue); 6-person team building an internal platform that manages disputes, invoices, deductions, and payments for suppliers and internal staff.

- Cut a critical deductions workflow's load time by ~57% (137s to 58s uncached, 121s to 1.6s cached) by capping chunked concurrency, scoping cache entries by customer, and replacing N+1 dispute lookups with a single batched query.
- Re-architected dispute retrieval from client-side filtering to a server-side filter API, eliminating full-dataset transfers so disputes return pre-narrowed from the backend; resolved reported slowness across the disputes experience.
- Designed a distributed caching strategy with payload compression for an external system integration, reducing transferred data from 61MB to 3MB and delivering near-instant loads for 10,000+ row datasets.
- Drove an AI-assisted test-automation initiative that raised backend unit-test coverage from ~40% to 90%+, using AI tooling to generate and validate ~13K lines of tests and adding a CI coverage-tracking pipeline.
- Wired up and maintain Veracode static/dynamic security scanning across the dispute-management and deductions platforms, triaging findings and remediating vulnerabilities to align with secure coding standards.
- Participate in sprint planning and backlog refinement, and partner directly with business stakeholders in live troubleshooting sessions to diagnose and resolve reported production issues.
- Integrated an external document system (OnBase) into the dispute workflow so suppliers and internal users retrieve damage-image backups securely, enforcing per-account access controls on every document request.
- Resolved 100% CPU saturation on a production Azure App Service through root-cause analysis and scaling, and instrumented structured logging across every API controller for fast error triage in Application Insights.

SELECTED PROJECTS

Product Review Manager | React, TypeScript, Node.js, Express, PostgreSQL, Azure OpenAI Nov 2025 – Present

- Architected and shipped a full-stack production SaaS for resale order management, covering inventory lifecycle, subscriptions, referrals, analytics, and admin workflows.
- Secured the backend with JWT auth, bcrypt, CSRF protection, and rate limiting following OWASP secure-coding practices, plus Stripe subscription webhooks, and integrated Azure OpenAI for AI-powered spreadsheet import.
- Deployed on Azure (App Service, Static Web Apps, PostgreSQL Flexible Server, Functions, Key Vault) with GitHub Actions CI/CD, Jest/Vitest suites, and gitleaks secret scanning.

EDUCATION

Washington University in St. Louis

B.S./M.S. Computer Engineering, B.S. Computer Science

GPA: 3.49/4.0

LEADERSHIP & ACHIEVEMENTS

- **ACM Chapter President (WashU) & Mentorship:** Led 50+ member organization, growing membership 30%, and mentored an engineering intern and a new team member transferring from another team.
- **DoD Cyber Sentinel CTF:** Ranked top 5% (48th of 1,000+) nationally in a cybersecurity competition.
- **Certifications:** Azure Developer Associate (AZ-204), Azure Fundamentals (AZ-900), Linux Foundation Certified Systems Administrator (LFCS).
- **Adjunct Professor (STLCC):** Teaching Linux I & II, Computer & Information Technology department, part-time faculty appointment beginning Aug 2026.