

# Francisco Barrios

Senior Full-Stack Software Engineer | Angular • React • TypeScript | GenAI | Java/Spring | Node.js

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## SUMMARY

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- Front-end-leaning full-stack engineer specializing in Angular and React (TypeScript) with backend experience in Java/Spring and Node.js; strong UI/UX instincts and accessibility (a11y) habits.
- Build GenAI features and AI-assisted workflows: prompt/response design, structured outputs, eval loops, and telemetry (latency, tokens, cost, errors) across OpenAI/Azure OpenAI and other LLM APIs.
- Delivered secure, regulated workflows in healthcare and mission-driven web experiences in nonprofits and education; working knowledge of Azure, .NET 8/C#, and SQL Server/Azure SQL with primary relational DB experience in PostgreSQL.

## CORE SKILLS

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**Frontend:** Angular, React, TypeScript, JavaScript (ES2015+), HTML, CSS/SCSS, responsive UI, accessibility (a11y)

**Backend/APIs:** Node.js (Express), Java (Spring Boot), REST, OAuth2/JWT, Keycloak (SSO/OIDC); exposure to ASP.NET Core (.NET 8/C#)

**GenAI:** Prompt engineering, context management, structured outputs (JSON/schema validation), eval/feedback loops; agentic coding (Claude Code/Codex/Gemini); MCP servers

**Data:** PostgreSQL, MySQL, SQLite; exposure to SQL Server/Azure SQL; familiarity with Cosmos DB concepts

**Cloud/DevOps:** Azure (App Service, Static Web Apps, Key Vault, App Insights), Docker, GitHub Actions, Jenkins, Git, Linux; Agile/Scrum, Jira, code reviews, testing in CI

## EXPERIENCE

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### ANBU Solutions LLC — Founder / Software Engineer | 2025 - Present | Remote (New Jersey)

- Ship client-facing web apps and internal tools in React/TypeScript; own delivery from requirements to deploy/support.
- Build REST APIs in Node.js and Java/Spring; implement auth (JWT/OAuth2) and pragmatic logging/monitoring.
- Use LLM tooling to accelerate work (scaffolding, refactors, test generation) with human review and CI checks.
- Partner with stakeholders to scope work, prioritize backlogs, and ship incremental releases; maintain runbooks and release checklists.

### Eastwick College — Cybersecurity & AI Instructor | Jul 2024 - Sep 2025 | New Jersey (On-site)

- Taught hands-on cybersecurity and AI/LLM fundamentals across Linux, networking, and Bash/Python scripting using applied labs.
- Created React/TypeScript classroom demos (accessible forms, component patterns) to support instruction and student tooling.
- Promoted from the Paterson campus to the Hackensack campus to support additional cohorts and expanded responsibilities.
- Led compliance-focused cybersecurity fundamentals training for 50+ staff; managed certification distribution and completion tracking.
- Delivered prompt-engineering and context-management workshops emphasizing safe, testable AI usage and responsible data handling.
- Authored lab guides and troubleshooting checklists to improve setup reliability and repeatability across varied laptop environments.

### Centro Inc — Contract Web Developer | Apr 2023 - Aug 2023 | Worcester, MA

- Built and enhanced public website sections with responsive, accessibility-minded UI and clearer navigation.
- Partnered with CEO/CTO and program staff to translate state criteria into content strategy and UX requirements.
- Contributed to a successful \$750K government funding outcome by aligning pages/features to program guidelines.
- Cut marketing/production costs by ~\$10K using AI-assisted imagery and content drafts; reduced vendor/stock spend.
- Applied SEO basics and cross-browser QA to improve discoverability and reliability.
- Documented handoff notes and content workflows so non-technical staff could maintain pages post-engagement.

### Xorfox LLC — Full-Stack Software Engineer | Mar 2021 - Mar 2023 | Denver, CO (remote/hybrid)

- Built healthcare app features with Angular/TypeScript and Java/Spring Boot in Agile teams delivering frequent releases.
- Refactored UI components and fixed critical defects; improved stability, reuse, and developer velocity.
- Worked with PostgreSQL and Kafka data flows; supported schema updates and query troubleshooting for reliability/performance.
- Integrated Keycloak SSO (OIDC/OAuth2) and reinforced authentication/authorization for regulated workflows.
- Used Dockerized environments and supported CI/CD (Jenkins + Docker) to streamline testing and deployments.
- Paired with teammates and contributed to pattern training to raise Java and TypeScript quality across the team.

### Lexir LLC — Assistant DBA | Nov 2023 - Feb 2024 | Paramus, NJ

- Assisted SQL Server migrations from on-prem to Azure; validated cutovers with ~3-5 minutes of after-hours downtime.
- Supported query troubleshooting and performance tuning with a senior DBA; helped resolve production issues under time constraints.
- Performed migration testing/validation to confirm data integrity and application compatibility.
- Maintained runbooks and monitoring/reporting notes to support day-to-day operations and future migrations.

### Dell Technologies RSA — Lead Officer, Security Operations | 2013 - 2019 | Bedford, MA

- Led teams in a high-compliance enterprise environment; maintained 24/7 coverage and incident-response readiness.
- Produced audit-ready reports and documentation; enforced access-control procedures for sensitive areas.
- Coordinated training, escalation paths, and operational processes to improve reliability and accountability.
- Built calm, customer-facing communication and triage skills transferable to production support and on-call work.

## PROJECTS

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### Nonprofit Fundraising Copilot (GenAI portfolio project - POC in progress) — [github.com/shighetari/blackbaud](https://github.com/shighetari/blackbaud)

Tech: Angular, TypeScript, .NET 8/C# (in progress), Azure OpenAI, PostgreSQL (primary), Azure SQL/SQL Server (exploring)

- Building a web app that drafts fundraising emails and social post packs from campaign briefs; prioritizing structured outputs and robust error handling.
- Adding prompt versioning and basic telemetry (latency/tokens/errors) to support iterative improvements and evaluation over time.

## EDUCATION & CERTIFICATIONS

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Bloom Institute of Technology (Lambda School) — Full-Stack Web Development + Technical Interviewing (2019 - 2020)

Quinsigamond Community College — Computer Science coursework (2012 - 2014)

**Microsoft Certified: Azure Fundamentals (AZ-900) — Earned Aug 2, 2024 — Credential ID: C7BA0384EECB384A •**

Certification number: QC47EB-3DC5A6 • Verify: [Microsoft Learn](https://learn.microsoft.com/certs/az-900)

Full-Stack Web Development Certification — Verify: [Credly badge](https://www.credly.com/badges/0f3a2a2a-0a2d-4a2e-8a2c-0a2d0a2e0a2f)

Languages: English, Spanish