

Maximus Fernandez

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Education

University of South Carolina, Columbia, SC

May 2027

B.S. in Computer Science, Minor in Business Administration

GPA: 3.4/4.0

Coursework: Software Engineering, Database System Design, Data Structures & Algorithms, Intro to Computer Networks

Experience

Software Engineering Intern, BlueCross BlueShield, Columbia, SC

May 2026 – August 2026

- Developed RESTful API services in JavaScript and Node.js across 8+ endpoints, deployed to a containerized OpenShift environment.
- Configured API gateway operations on IBM DataPower and IBM API Connect, integrating REST, SOAP, and GraphQL services secured with OAuth and TLS.
- Triaged production issues in Splunk and shipped fixes through Git and GitHub Actions CI/CD pipelines with code review.

Validation Services Team Intern, BlueCross BlueShield, Columbia, SC

May 2025 – August 2025

- Built Selenium (XPath) browser regression checks validating navigation, search results, and form inputs, cutting manual testing time by 60%.
- Executed 30+ test cases across web, mobile, and IVR systems during a Genesys Cloud migration, validating call routing and edge-case handling.
- Tracked defects in Azure DevOps, refining automation scripts from QA lead feedback on coverage gaps before release.

Projects

SC Economics Volunteer Management System, Kappa Theta Pi @ USC

January 2026 – April 2026

- Built RESTful API routes in TypeScript with Prisma and Neon Postgres, enforcing role-based access across 3 user tiers via a 2-layer auth proxy.
- Implemented review workflows, event CRUD with signup/withdrawal transactions, and hours logging, deployed to Vercel behind server-side session validation.
- Developed idempotent seed/unseed scripts with shared-database safety guarantees, enabling safe team demos without risk to production data.

InsureFlow AI, Palmetto Hacks

April 2026

- Engineered FNOL triage APIs in FastAPI, Python, and Next.js, forwarding damage photos to Azure AI Vision for severity classification.
- Integrated GPT-4o with structured JSON prompts to extract underwriting fields from broker PDFs into PostgreSQL.
- Built human-in-the-loop approve, override, and escalate workflows with confidence scoring, earning 2nd place with a 4-person team at the Capgemini challenge.

Leadership

Chief Technology Officer, Inspire Columbia

June 2026 – Present

- Architected a full-stack applicant management platform (Next.js, React, TypeScript, Supabase/Postgres) serving 30+ applicants, replacing a static site.
- Enforced role-based access (staff, reviewer, admin) via Postgres Row-Level Security policies, and automated a GitHub Actions CI/CD release pipeline.
- Built a reviewer dashboard with document access, note-taking, and automated email notifications.

Technical Event Coordinator, Association for Computing Machinery (ACM)

September 2024 – Present

- Organized 10+ technical workshops at 20+ attendees each, mentoring 20+ peers with LeetCode and DSA interview prep.
- Coordinated group attendance for 10+ members at All Things Open 2024/2025 and All Things AI 2025, securing organizer contacts and logistics.

Skills

- **Languages:** Java, Python, TypeScript, JavaScript, SQL, C++, Bash, HTML/CSS
- **Frameworks & Databases:** Node.js, Next.js, React, FastAPI, Prisma ORM, PostgreSQL, Supabase, Neon
- **Cloud & DevOps:** OpenShift, Docker, GitHub Actions, Azure, Azure DevOps, Vercel, Git, Splunk
- **Core Concepts:** REST APIs, SOAP, GraphQL, OAuth, TLS, CI/CD, DevOps, OOP, SDLC, Agile, Scrum