

Carlo Pelosi

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SUMMARY

Full-stack software engineer with 6+ years designing, building, testing, and supporting highly transactional, mission-critical applications across multi-user enterprise environments. At Starbucks, owned the full SDLC. RESTful APIs, middleware and system integrations, SQL Server administration, CI/CD automation, and resolution of escalated SSO and architecture issues across enterprise teams. Strong in Agile/Scrum collaboration with product owners and QA, with a track record of enforcing coding standards and mentoring peers. **Currently ramping on C#/NET** to extend a deep full-stack and Java/OOP foundation. Quick to own features end-to-end from spec to production support.

EXPERIENCE

Software Developer

AFO Tech

October 2025 - Present

- Design and ship full-stack web solutions for service businesses using React, Node.js, and Astro, including custom backends, databases, and third-party/payment integrations.
- Built a custom field-operations application (job scheduling, dispatch, payroll and invoicing workflows) supporting a service business managing 180+ recurring accounts.
- Build custom automations and backend tools, each with its own server and database, that replace manual back-office tasks for business owners using modern AI-assisted development (Claude Code, Cursor, MCP).
- Operate as a one-person delivery team across concurrent client projects, handling scoping, architecture, building, deployment, and production support.

Application Developer II

Starbucks

December 2022 - October 2025

- Developed, tested, and supported highly transactional, mission-critical ERP and store-development applications serving multi-user enterprise teams.
- Designed and built RESTful services and middleware/system integrations connecting multiple enterprise applications and data sources.
- Administered and optimized SQL Server databases, schema design, indexing, stored procedures, and query tuning, supporting application and reporting needs.
- Enforced software development best practices, coding standards, code reviews, source control, and automated build/test, within an Agile/Scrum SDLC, and mentored less-experienced developers.
- Provided escalated (Tier 3) production support, driving resolution of complex SSO, integration, and infrastructure issues impacting multiple projects and departments.
- Created reusable backend modules and architectural patterns that accelerated delivery across teams.

Application Developer I

Starbucks

June 2021 - December 2022

- Designed and developed RESTful services and middleware integrations supporting ERP and store-development applications.
- Built and maintained CI/CD pipelines (Azure DevOps, GitHub) for automated build, test, and release, improving delivery consistency and speed.
- Created telemetry and monitoring dashboards to track system health and application performance across production and staging.
- Partnered with QA and business teams to define test plans and cases, validate results, and ensure production readiness.
- Collaborated with product owners and cross-functional engineers in solution-design reviews to deliver scalable, secure, integrated systems.

SKILLS

Software Development & SDLC: Full lifecycle ownership technical specs, coding standards, code reviews, source control, automated build/test, and production (Tier 3) support. RESTful API design, middleware and system integration, Agile/Scrum delivery, solution-design reviews, and mentorship.

Languages & Frameworks: Java, JavaScript, TypeScript, Python, Node.js, React/React Native, Next.js, Express, Astro. OOP foundation in Java.

Currently Learning: C#, .NET Core, ASP.NET MVC/Razor.

Databases: Microsoft SQL Server (schema design, indexing, stored procedures, query optimization), PostgreSQL, MySQL, MongoDB, DynamoDB.

CI/CD & Cloud: Azure DevOps CI/CD pipelines, GitHub, Azure App Service, CDN, VMs, Load Balancer, Front Door. Familiar with Jenkins-style build/deploy automation.

Integration & Data: Middleware integrations, SSO (SAML), API data ingestion, and ETL/data flows with Apache NiFi.

EDUCATION

Software Engineering

Ira A. Fulton Schools of Engineering, Arizona State University • Tempe, AZ
