

Elleni Zegeye

Phoenix, AZ | 480.235.6686 | zegeyeelleni@gmail.com |

LinkedIn <https://www.linkedin.com/in/elleni-zegeye-b11578265/>

PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with 15 years designing, building, and deploying enterprise and cloud-native applications across finance, healthcare, retail, and startup environments. Recent focus on AI-powered development — building agentic applications with Spring AI, OpenAI, and Ollama, and integrating AI tooling (GitHub Copilot, Claude) into everyday development workflows. Proven track record leading teams of 5–8 developers, modernizing legacy systems, and delivering mission-critical platforms for organizations including American Stack Transfer, Bank of America, Wells Fargo, Walgreens, and PepsiCo. Combines deep technical expertise (Java, Spring Boot, microservices, React, AWS/Azure) with strong mentorship, client-facing, and cross-functional leadership skills.

CORE SKILLS

AI & Cloud: Spring AI, OpenAI, Ollama, Docker, AWS (Lambda, EC2, ECS, S3, DynamoDB, Elastic Beanstalk), Azure, PostgreSQL

Backend: Java, J2EE, Spring Framework / Spring Boot / Spring JPA, Hibernate, Servlets, Struts, Node.js

Frontend: React, Angular, TypeScript, JavaScript, jQuery, HTML/CSS, JSP

Databases: Oracle, DB2, SQL Server, MySQL, PL/SQL, DynamoDB

Tools & Practices: Git/GitHub/SVN, Maven/Gradle/Ant, Jenkins, Agile/Scrum, Waterfall, UML, JIRA/ADO

PROFESSIONAL EXPERIENCE

Lead Software Developer — COFNETS L.L.C.

April 2024 – Present

- Architected and deployed a full-stack financial software platform using Spring Boot (JPA, microservices), React, and MySQL, from requirements through production deployment.
- Directed requirement-gathering and design sessions with clients, translating business needs into detailed functional and non-functional specifications that guided development priorities.
- Trained and mentored student developers in full-stack development, growing their ability to independently build responsive, scalable applications.
- Adopted AI-powered coding tools and Gradle-based build automation to streamline the development lifecycle and improve code quality.

TCS — June 2019 – February 2024

Software Developer — PepsiCo account

- Resolved production-critical bugs in a Java application (Accolade Integration), including automated log-file email alerting and data-attribute reconciliation across integrated systems.
- Built ADO pipelines to automate build and release processes, reducing manual deployment steps.
- Provided production support, proactively monitoring logs and diagnosing root causes of reported incidents.

Tech Lead / Developer — Walgreens account

- Led search-team migration of enterprise search functionality from ElasticSearch to Algolia, one capability at a time, to minimize service disruption.
- Directed Azure Functions development triggered by MongoDB changes, keeping search indexes synchronized in near real time.
- Ran release management for two-week sprints, coordinating cross-team release tickets and unblocking offshore team issues daily.
- Used Dynatrace performance analysis to identify and resolve recurring search-service errors.

Tech Lead / Developer — Bank of America account

- Led a team of 5–8 developers through daily technical and scrum ceremonies, and stepped in to lead a second team during COVID-19 staffing shortages.
- Delivered an ADA/ICDP compliance initiative from the ground up — writing and grooming stories without a dedicated Product Owner — using JAWS-based accessibility testing.
- Served as on-the-job release lead for the December 2019 release with minimal prior experience, successfully coordinating all release-day stakeholders.
- Designed a database and code solution for the Small Dollar project after key personnel were reassigned to a separate initiative, keeping delivery on track.

Website Design & Development — EZ Merkato — Edgewater, NJ

February 2018 – January 2019

- Consulted small-business owners on e-commerce strategy and built their first website iteration using HTML, CSS, Spring MVC/Boot, and AWS.
- Owned requirements gathering end-to-end, translating business needs directly into a working online storefront.

Lead Software Developer — American Stock (AST) — Ridgefield Park, NJ

September 2015 – February 2018

- Led a rebranding and technology upgrade initiative, modernizing browser compatibility and UI across multiple Java web applications.
- Directed a 6-person team through a web-vulnerability remediation project, serving as primary point of contact for defect triage and progress reporting.
- Used IBM App Scanner to identify vulnerabilities and delivered remediation reports that closed security gaps across production applications.

Sr. Software Developer — TIAA-CREF Financial Services — New York, NY

September 2014 – March 2015

- Co-designed and built MobiusOps, a new Spring MVC Java web application, from requirements through Oracle schema design and deployment.
- Presented application prototypes directly to stakeholders, incorporating feedback into iterative design refinements.

Sr. Java Developer (Contract) — Bank of America — Charlotte, NC

January 2014 – March 2014

- Delivered enhancement and defect fixes for Java applications within a large Agile team, maintaining sprint velocity through rigorous JUnit testing and SOAP-based validation.

Web Application Developer (Consulting) — Entoto Beth Artisans

March 2013 – January 2014

- Designed and built a full e-commerce website and shopping cart from scratch using Struts (MVC), JSP, and MySQL, covering inventory, sales, and customer data.
- Owned requirements gathering end-to-end, translating business needs directly into a working online storefront, communicating to business teams regularly.

Technical Lead Developer — *Bank of America — Charlotte, NC*

August 2012 – March 2013

- Led design, development, and delivery of the Small Business fraud-detection module on the Actimize platform (AIS & RCM), from BRD/HLD/LLD review through CIT testing.
- Authored test plans and policy rules, validating alert-triggering logic through SOAPUI-driven transaction testing.

Senior Software Engineer — *Wells Fargo — Chandler, AZ*

July 2010 – January 2012

- Delivered two new web services (XML/WSDL/SOAP) enabling Wachovia customers to access NSF and Service Charge Worksheet statements following the Wells Fargo–Wachovia merger.
- Extended existing Java applications so Wachovia customers could access Business Credit Card and Operation Image Browser data from Wells Fargo systems.
- Owned requirements-to-design documentation as lead developer, coordinating closely with business analyst, DBA, and QA teams.

Senior Software Engineer — *Scientific Technology Corporation — Scottsdale, AZ*

February 2010 – July 2010

- Enhanced a public-health tracking Java application for the Mississippi State Department of Health, using Struts, Kodo, and SQL Server.

Senior Software Engineer — *Early Warning Services — Scottsdale, AZ*

February 2007 – July 2009

- Senior Software Engineer: Built a secure (SSL/PKI) SOAP/XML web service bridging Java sockets and MQ Series for financial-institution account-data exchange.

ADDITIONAL EARLIER EXPERIENCE (1997–2010)

- General Dynamics, Scottsdale, AZ — Senior Software Engineer: Developed a Tomcat/AXIS web service for remote simulator access; tested the Simulation Framework across Linux/Solaris environments.
- Liberty Mutual Insurance, Chandler, AZ — Senior Software Engineer: Delivered a new J2EE producer-profile management application from requirements through Rational Rose UML design and DB2 schema design.
- Fidelity Investments, Dallas, TX — Senior Software Engineer: Built payroll reporting used by Bank of America; received a company recognition award for outstanding client support.
- American Heart Association - Dallas, TX Proposed and designed a new web page for the Office of Scientific Councils, independently managing the project from concept to delivery.
- MCI Telecommunications, Dallas, TX — Lead Application Developer: Built and maintained METS, a client/server tracking application used by 2,000+ users across 50+ internal applications.

EDUCATION

Bachelor of Science, Computer Science — The University of Texas at Dallas, 1999