

Nader Abdelshahid

Software Engineer | Java & Spring Boot | Distributed Systems, Payments & Platform Engineering
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PROFESSIONAL SUMMARY

Software Engineer with 5+ years of development experience, including 4+ years building Java and Spring Boot backend services and distributed systems in regulated financial services. Internally transferred in Jul 2026 to Wells Fargo's Agentic Liquidity and Deposits Platform after delivering FedNow and The Clearing House Real-Time Payments (TCH RTP) services. Experienced across REST APIs, ISO 20022, Kafka, MongoDB, CI/CD, security remediation, automated testing, and developer workflow automation; built reusable validation automation that reduced recurring API/database validation time by about 67%, from ~30 minutes to ~10 minutes.

CORE TECHNICAL SKILLS

Backend & Distributed Systems: Java, Spring Boot, Spring MVC, REST APIs, microservices, Kafka, distributed systems
Payments & Data: FedNow, TCH RTP v3.0, ISO 20022, MongoDB, Oracle/SQL

Testing, Delivery & Security: JUnit, Mockito, Postman/Newman, Gradle, Jenkins, SonarQube, Black Duck, Checkmarx, Git, CI/CD

Additional: Python, Docker, JavaScript/TypeScript, React, Node.js, Ruby, PostgreSQL/MySQL, platform engineering, regulated environments

PROFESSIONAL EXPERIENCE

Wells Fargo | Software Engineer - Agentic Liquidity and Deposits Platform | Jul 2026 - Present | Remote

- Internally transferred from Real-Time Payments to support software engineering initiatives across liquidity and deposits platform capabilities, carrying forward 4+ years of Java/Spring Boot backend engineering experience.

Wells Fargo | Software Engineer - Real-Time Payments | Aug 2022 - Jul 2026 | Remote

- Developed and maintained Java/Spring Boot backend services and REST APIs supporting FedNow and TCH RTP v3.0 payment workflows using ISO 20022, Kafka, MongoDB, and Oracle/SQL.
- Resolved 50+ defects and work items through code changes, JUnit testing, Postman API validation, MongoDB verification, and release-readiness support across DEV/SIT/UAT environments.
- Validated inbound/outbound credit-transfer, reject, acknowledgment, and related ISO 20022 message flows, including pacs.008, pacs.002, camt.029, and camt.056 scenarios.
- Expanded regression coverage, supported Jenkins/SonarQube CI/CD quality gates, and remediated Black Duck/Checkmarx security findings in a regulated engineering environment.
- Built reusable Postman/Newman and MongoDB automation that reduced recurring API/database validation time by approximately 67%, from ~30 minutes to ~10 minutes.

Auctivon | Founder & CEO | 2019 - Present

- Lead independent software and product development across web applications and developer tools, emphasizing maintainable architecture, automation, and public-safe product design.

SELECTED PROJECTS

API-MongoQuery-Prompts (Banking WorkBench) - API & Database Automation Workbench

- Built a modular Spring Boot and React/Vite workbench for runtime checks, Postman/Newman API execution, MongoDB validation, JUnit runs, and CI/CD quality checks.
- Added redacted runtime logs, evidence packaging, approval-aware workflows, and reusable validation steps for repeatable execution, traceability, and review-ready engineering handoffs.

Continuum - Deterministic Workflow & Orchestration Framework

- Built deterministic YAML/JSON workflow execution with declared steps, dependencies, inputs/outputs, validation gates, evidence capture, logs/output snapshots, and tamper-evident run bundles.
- Supports replay, resume, and selective reruns for reproducible, auditable high-stakes engineering workflows without tying the framework to a specific bank or payment network.

EDUCATION & CERTIFICATIONS

Rochester Institute of Technology: B.S. Biology, 2014; A.A.S. Laboratory Science Technology, 2012

LEARN Academy: Full-Stack Web Development, 480+ hours

Certifications: MongoDB Associate Developer; MongoDB Certified Associate Atlas Administrator - Aug 2026

Recognition: Wells Fargo Team Spotlight Awards - 2024 and 2025