**Tarek Alaaddin**

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### Professional Summary

Senior Programmer Analyst / Technical Lead with 20+ years building large-scale, mission-critical systems in Java/Spring, React, and cloud. Strong track record leading complex migrations, high-volume batch processing, and AI-accelerated “vibe coding” workflows to ship features 3–5x faster while maintaining clean architecture and production-grade quality.

### Key Highlights

* Led a team of 15 developers to deliver the **MyBA admin app** from idea to production in 9 months.
* Architected the **CAP Agreements** system for fleet discounts—now one of the platform’s most used and requested features.
* Built high-performance **Spring Batch** jobs processing millions of records daily, improving data freshness and responsiveness.
* Currently leading a full migration of a legacy **Java Struts** app to a modern **React + Spring Boot** stack for a state agency.

### Technical Skills

* **Languages:** Java, Kotlin, C#, Python, JavaScript, SQL
* **Frameworks/Tools:** Spring Boot, Hibernate, ReactJS, .NET Core, Struts, Maven, Node.js
* **Cloud:** Microsoft Azure, AWS
* **Databases:** Oracle, SQL Server, PostgreSQL
* **DevOps & CI/CD:** Jenkins, Azure DevOps, Git
* **Testing:** JUnit, Selenium
* **Other:** Agile/Scrum, System Design, REST APIs, Spring Batch

### AI-Accelerated “Vibe Coding” Product Development (Independent)

*2023 – Present*

* Use AI tools (Claude Code, Copilot/Codex, Gemini) to ship features 3–5x faster as a solo developer, achieving near team-level speed and quality.
* Built three full-stack SaaS apps with **Next.js + Supabase**:
  + **Taskitos** – task management app that “nags” tasks to done with smart, persistent notifications.
  + **ExpandNote** – simple notes with automation hooks (“notes + Zapier”), letting notes trigger workflows and integrations.
  + **PropertyPulse360** – property management app for small landlords/managers: rent, expenses, owner distributions, and lease-expiry tracking.

### Professional Experience

**Senior Programmer Analyst / Technical Lead**

Texas Commission on Environmental Quality (Contract)

*May 2025 – Present*

* Lead end-to-end migration of a legacy **Java Struts** app to **Spring Boot + React** for a mission-critical government system.
* Design modern RESTful architecture, establish coding standards, and guide implementation across the team.
* Own and prioritize user stories, manage bug triage, and coordinate closely with DevOps and DBA teams.
* Leverage AI-driven “vibe coding” workflows to accelerate feature delivery and refactoring while maintaining code quality.

**Senior Programmer Analyst**

General Motors

*January 2018 – March 2025*

* Led 15 developers to launch **MyBA**, an internal administration app, from concept to production in 9 months.
* Architected and implemented the **CAP Agreements** backend using Spring Boot and Azure, supporting complex fleet discount logic.
* Improved database performance and supported migration of services to Azure cloud infrastructure.
* Built **Spring Batch** solutions to handle high-volume data ingestion (millions of records daily).
* Partnered with PMs, QAs, and architects across multiple departments to ensure on-time, high-quality delivery.

**Senior Programmer Analyst**

Texas Commission on Environmental Quality

*August 2006 – December 2017*

* Led enhancement and defect resolution for large-scale environmental and permitting systems.
* Modernized a legacy JSP application into a **Spring Boot + React** stack, increasing maintainability and development speed.
* Created automation scripts and alerting to improve system stability and reduce production incidents.

### Education

**Bachelor of Science in Computer Science**

University of Houston, Houston, Texas

December 1998

If you tell me your target role (e.g., “Senior Backend Engineer”, “Lead Software Engineer”) and whether you need to strictly fit on one page, I can trim this even further and tune the wording to match those job descriptions.