

# Dustin Dixon

Software Engineering Consultant

## Profile

Dynamic Senior Full-Stack Architect & Technical Lead with over 17 years of experience in crafting cloud-native solutions and modernizing legacy systems. Expertise in leading cross-functional teams and implementing CI/CD pipelines to enhance software delivery efficiency and quality. Proficient in REST API development, leveraging Java and Spring frameworks, alongside strong architectural leadership in designing scalable solutions. Committed to mentoring and fostering team growth while integrating cutting-edge AI technologies to drive innovation and value. Ready to deliver strategic solutions that align with business objectives and accelerate development processes.

## Employment History

### Software Architect / Manager IT at Signet Jewelers

November 2017 — August 2025

- Led a 7-person cross-functional engineering team, enhancing core KPI reporting and enterprise service platforms for Home Office and 3,000+ retail locations.

- Architected enterprise-grade services, including Signet Hierarchy Provider, achieving 30,000+ API calls daily with 99.99% uptime.
- Standardized task and incident management with Atlassian tools, boosting on-time delivery and improving incident response.
- Established a robust GitHub Actions CI/CD pipeline, reducing lead time and enforcing quality control in software development.
- Mentored team members, fostering professional growth and technical skill advancement.

### Software Developer at Signet Jewelers

August 2010 — November 2017

- Developed and maintained high-throughput REST APIs using Java 8, Spring Boot, and Spring Data for sales KPI data delivery.

- Refactored monolithic Oracle PL/SQL workflows into modular Spring services, enhancing codebase simplicity and reducing change-cycle time.
- Championed documentation standards with Swagger and Confluence.
- Collaborated with cross-functional teams to align software solutions with business objectives.
- Implemented unit testing to ensure code quality and performance.

### Programmer / Analyst at 3E Company

July 2007 — August 2010

- Migrated legacy ASP pages to ASP.NET, enhancing system efficiency.
  - Installed and implemented SVN and Team Foundation Server for streamlined source control.

## Details

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## Links

[LinkedIn](#)  
[Dixon Digital Consulting](#)

## Skills

- Software Architecture
- CI/CD Pipeline Implementation
- REST API Development
- Cross-Functional Team Leadership
- Agile Methodologies
- Java Development
- Spring Framework
- Relational Database (Oracle, PostgreSQL, MySQL)
- React
- Flutter
- Typescript
- OpenAI
- Generative AI & LLMs
- Amazon Lex & Polly
- Cloud-Based AI Solutions
- Amazon SageMaker
- Incident Management
- Mentorship and Team Development

- Utilized AJAX to improve performance and user experience by eliminating full-page post-backs.
- Developed multilingual web pages, expanding accessibility for diverse users.
- Created an encryption library to secure data transmission and integrated company software with European regulatory systems via XML and web services.

## Languages

English

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### Communications Team Leader at United States Army

July 2002 — January 2007

- Led training and operations of communications teams for diverse systems installation and maintenance.

- Managed project lifecycles from reconnaissance to system activation.
- Achieved multiple awards for outstanding performance and commitment to duty.
- Completed missions within operational parameters and deadlines.
- Developed innovative solutions, enhancing operational efficiency and team performance.

## ★ Certifications

AWS Certified AI Practitioner

## ★ Personal Projects

### DishAI (Mobile App – Flutter / OpenAI / AWS)

- Created and launched an AI-powered recipe-generation app with built-in social features, media sharing, and user-generated content moderation.
- Integrated OpenAI GPT-3.5 for multilingual recipe generation, Firebase for auth, AWS Lightsail for hosting, and Redis for caching.
- Available on Google Play and launching soon on the Apple App Store.

### Resume Parser (OpenAI / FastAPI / Vector Search)

- Developed a web-based tool to parse, index, and sort large volumes of résumés using OpenAI and vector embeddings.
- Supports filtering by skills, years of experience, and location with fast query performance.
- Built with FastAPI, FAISS, PostgreSQL, and OpenAI Embeddings API; supports future scaling with Pinecone or Elasticsearch.
- Enables hiring managers to reduce résumé review time by over 70 % with contextual, AI-powered filtering.