

Andrew Violette

Seasoned Programmer and Manager

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Noblesville, IN

PROFESSIONAL SUMMARY

Accomplished Software Engineering Leader with over 30 years of experience architecting and delivering complex, scalable systems. Deep expertise in AI/LLM platforms, AWS cloud-native architectures, healthcare interoperability (HL7 FHIR), and leading high-performing engineering teams. Proven ability to take products from concept to production.

EXPERIENCE

Spiraldot Health, Los Angeles, CA (remote) - *Founding Engineer*

January 2023 - Present

- Architected and implemented an AI-powered clinical decision support system for oncology using AWS, LangChain, and LLMs with HL7 FHIR interoperability standards.
- Designed an event-driven microservices architecture with Python-based backend services and a TypeScript/React frontend, enabling scalable and secure real-time insights.

Honor Education, San Francisco, CA - *Engineering Manager*

Jan 2023 - Sep 2024

- Served as platform architect and engineering team lead for a Learning Management System (LMS), driving technical strategy and customer integrations.
- Designed and built features for core backend product using Java and Spring Boot and deployed using Kubernetes
- Built and maintained customer integrations using AWS services including Lambda, DynamoDB, Cognito, and API Gateway.
- Researched and prototyped AI-based learning solutions to enhance platform capabilities.
- Designed and rolled out a comprehensive observability and monitoring framework using DataDog, significantly improving system reliability and incident response.

Deep6 AI, Pasadena, CA - *Senior Staff Engineer*

October 2021 - January 2023

- Architected and delivered solutions for a clinical trial SaaS platform deployed on AWS ECS.
- Led technical direction through architecture reviews, code reviews, and hands-on development in TypeScript and Kotlin.
- Managed infrastructure and deployment pipelines using AWS CDK and Terraform while mentoring engineers.

Fast Radius, Chicago, IL - *Director of Engineering*

April 2021 - October 2021

- Led engineering teams responsible for architecture, development, and delivery of the Product Studio platform.
- Implemented core features in Elixir

divvyDOSE, Chicago, IL - *Senior Engineering Manager*

February 2019 - April 2021

- Managed the Bill and Fill engineering team responsible for insurance and credit card payment processing, invoicing, and robotic prescription fulfillment systems.
- Oversaw full lifecycle responsibilities including architecture, team leadership, hiring, coaching, code reviews, and operational management.
- Built solutions in Python and AWS serverless technologies.
- Scaled system to support increased traffic during Optum acquisition.

Digital Fleet, Chicago, IL - *Principal Engineer*

September 2018 - February 2019

- Delivered full-stack development for real-time logistics platform serving the ready-mix concrete industry using C# and .NET.
- Developed and maintained Android tablet application in Java.

Signal, Chicago, IL - *Senior Development Manager*

May 2010 - August 2018

- One of the original engineers; contributed to core platform services built in Java, Ruby, and Python.
- Managed the Data Engineering team for the final two years, overseeing architecture, hiring, and delivery of data infrastructure.

Rearden Commerce, Foster City, CA - *Principal Engineer*

Jan 2008 - May 2010

- Led development of travel-related projects using Java/J2EE technologies.

Orbitz, Chicago, IL - *Many Positions*

Jun 2001 - Dec 2007

- As senior engineer, developed some of the early booking engine functionality for Orbitz in Java
- As technical manager, managed Northwest Airlines white-labeled reservation site
- As technical manager, Managed the UI Engineering Team

Accenture, Northbrook, IL - *Senior Software Engineer*

July 1996 - Jun 2001

- Developed a UI generation tool used by field consultants (primarily C++).
- Built a documentation generation tool in Java.

Hewitt Associates, Lincolnshire, IL - *Software Engineer*

Jun 1995 - Jun 1996

- Developed Smalltalk applications that supported benefits administration

IBM, Boca Raton, FL - *Software Engineer*

Jun 1994 - Jun 1995

- Developed portions of the OS/2 operating system in C

NSA, Fort Meade, MD - *Programmer*

Jun 1990 - August 1992

Computer science co-op

EDUCATION

DePaul University, Chicago, IL - *M.S. Software Engineering*

September 1998 - August 2000

Indiana University, Bloomington, IN - *B.S. Computer Science*

September 1989 - June 1994

SKILLS

- Python
- Typescript
- Java
- AWS
- CDK
- AI
- Langchain
- FHIR
- React
- Datadog
- Docker
- Kubernetes
- ECS
- Spring Boot