

Michael Rubino

✉ michaelrubino27@gmail.com
☎ (516) 732-8855
📍 New York, NY
🌐 michael-rubino.com

Technical Architect and Engineering Manager with 7+ years of experience delivering enterprise applications, leading engineering teams, and shaping scalable solutions across frontend, backend, cloud, APIs, identity, and AI-enabled platforms.

Skills

Languages

- TypeScript
- JavaScript
- Java
- Python
- SQL

Frontend

- React
- Angular
- RxJS

Backend

- Node.js
- NestJS
- Spring Boot
- REST APIs
- OpenAPI

Architecture

- Solution Architecture
- Enterprise Architecture
- Microservices
- Event-Driven Architecture
- Apache Kafka
- Design Patterns
- Architecture Decision Records
- Architecture Reviews
- Technical Design Reviews

DevOps

- AWS
- Docker
- Kubernetes
- CI/CD
- Azure DevOps
- DevSecOps

Databases

- Oracle
- SQL Server
- MongoDB

AI & Agentic Systems

- Generative AI
- Agentic AI
- Model Context Protocol (MCP)
- LLM Integration
- AI Agents

Professional Experience

Accenture

Product Engineering Manager

New York, NY | 05/2026 – Present

Financial Services Client

- Provide technical and delivery leadership across a 40–50-person cross-functional program redesigning login, registration, and account-recovery experiences.
- Direct the integration of Auth0 and Ping Identity for distinct user populations while driving architecture decisions across applications, APIs, and enterprise integrations.
- Coordinate multiple development pods and stakeholders to resolve dependencies, manage technical risks, and maintain release readiness.

Product Engineering Associate Manager

New York, NY | 05/2024 – 05/2026

Education Client

- Led an engineering team developing an Angular and Ionic application while supporting CI/CD, deployments, release coordination, and production operations.

Telecommunications and Media Client

- Architected an Angular and Node.js application supporting mobile-service operations, including IMEI validation and device activation.
- Served as the primary client-facing Accenture technical lead, shaping key architecture decisions and guiding the development team through delivery.

Financial Services Client

- Integrated Auth0 and defined the architecture for a large-scale Digital Access modernization initiative supporting millions of users, including secure magic-link and tokenized-link capabilities.
- Architected and delivered LLM- and MCP-based capabilities connecting AI experiences with enterprise data and systems, supporting retirement-account Q&A and internal product and engineering workflows.
- Authored technical designs, OpenAPI specifications, architecture diagrams, and decision records while guiding three development pods through implementation.

Team Lead

New York, NY | 09/2021 – 05/2024

Multinational Hospitality Client

- Led a full-stack development team of 15+ to introduce a rewards program on a revitalized web and mobile application, which attracts over a million monthly active users.
- Collaborated with UX designers through bi-weekly sprint planning to capture and refine user stories.
- Developed Angular prototypes to validate proposed features and communicate solution concepts to executive stakeholders.

Telecommunications and Mass Media Client

- Managed a team of five junior developers and testers across various commercial projects to seamlessly modernize web and mobile applications.
- Integrated an Angular WebView into a Xamarin mobile application while synchronizing authentication and application state through NgRx and Redux-based patterns.

Software Engineer, Consultant, Booz Allen Hamilton

Washington, DC | 11/2020 – 08/2021

- Integrated analytical and visualization tools into rapid web application prototypes, which supported intelligence-based operations for the Department of Homeland Security (DHS) and Customs and Border Protection (CBP).
- Optimized delivery of intelligence reports capturing targeted tones and threats of nefarious actors by applying natural language processing and predictive models in Python to web applications built on the Angular framework.
- Developed REST APIs employing Flask services and libraries (including Cytoscape and amCharts) to present advanced intelligence data as interconnected structures.
- Bridged the collaboration gap between the agile team of software developers and data scientists by leading daily hybrid Scrum-Kanban meetings to address underlying challenges in development and end-to-end testing.

Systems Analyst, Fannie Mae

Washington, DC | 12/2018 – 11/2020

- Spearheaded the development of five web applications for employee risk monitoring.
- Leveraged knowledge of Angular JavaScript framework, D3, and Highcharts libraries to construct the front-end of web applications, and developed JavaServer Pages and REST APIs for consumption on the back-end.

Programmer/Analyst, DataLab USA

Germantown, MD | 06/2018 – 11/2018

- Oversaw ETL systems by monitoring daily database activities and synthesizing predictive models based on large datasets to determine their effectiveness.
- Programmed complex SQL queries to provide results for a wide variety of data requests from financial institutions.
- Automated and scripted existing processes for T-SQL, which led to a decrease in workload on company servers.

Education

Master of Science in Information Technology

01/2020 – 05/2022

Virginia Polytechnic Institute and State University

Concentration in Software Development and Software Engineering

Bachelor of Science in Information Science

08/2014 – 05/2018

University of Maryland, College Park