

Michael Vincent

Software Engineer, Full Stack, Payments & Infrastructure

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<https://mikevincent.dev>

Education

University of Texas at Tyler

Master of Science, Industrial Engineering, 2015

The Pennsylvania State University

Bachelor of Science, Linguistics, 2011

The Pennsylvania State University

Bachelor of Arts, Journalism, 2011

Experience

Senior Software Engineer, Payments Infrastructure | PricewaterhouseCoopers (PwC)

September 2024 to Present | Los Angeles, CA

Founding engineer for "Capital One Databolt," a vaultless tokenization platform for payment and financial services providers.

- Wrote Go APIs for licensing, authentication, and partner onboarding.
- Deployed with Docker and Helm to AWS EKS and Azure AKS.
- Built field-level masking, tokenization, and encryption.
- Automated Kubernetes with Terraform, Istio, and cert-manager.
- Added OpenTelemetry tracing; Zelle signed as first customer.

Relocation

May 2024 to August 2024 | Los Angeles, CA

Relocated from San Diego to Los Angeles.

Software Engineering Manager, Infrastructure | Cubic Transportation Systems

October 2021 to April 2024 | San Diego, CA

Led a global team shipping fare systems for DC Metro, NYC MTA, BART, LA Metro, and Boston MBTA.

- Built cloud infrastructure with Terraform, AWS, and GitHub Actions.
- Won multiple company awards for engineering excellence.
- Deployed mTLS security with Istio on Kubernetes.

Lead Senior Software Engineer, Infrastructure | Cubic Transportation Systems

October 2019 to October 2021 | San Diego, CA

Built the "Cubic AI Chatbot" letting riders check card balances by phone and text, plus ML pipelines for fare optimization.

- Deployed chatbot on Azure with natural language processing.
- Built CI/CD for 20 Java apps with Jenkins, Docker, Helm, Vault, and Terraform.
- Built serverless pipelines with AWS Lambda and Azure Functions.

Senior Software Engineer, Infrastructure | Cubic Transportation Systems

May 2017 to October 2019 | Washington, DC

First DevOps hire. Transformed legacy infrastructure to containers and cloud for fare systems serving 10M+ daily riders.

- Introduced Terraform, Kubernetes, and Docker to the organization.
- Built CI/CD for embedded fare devices with Jenkins and Wind River Linux.
- Passed PCI, SOC2, ISO, and SOX audits.
- Built Kubernetes monitoring with Prometheus and Grafana.

Senior Software Engineer, Infrastructure | EPAM Systems

May 2016 to April 2017 | Washington, DC

Promoted to senior backend engineer at digital UX agency building apps for enterprise clients.

- Built Fannie Mae web app for mortgage lenders.
- Built Lockheed Martin Intranet on headless Drupal.
- Built NY Fashion Week 2015 mobile app.
- Wrote PostgreSQL migrations with Liquibase.
- Deployed microservices with Docker and Kubernetes 1.2.

Software Engineer, Infrastructure | EPAM Systems

May 2015 to April 2016 | Washington, DC

Backend engineer on full-stack team at digital UX agency building mobile apps and e-commerce platforms.

- Built Poison Control mobile app.
- Built Canadian Tire e-commerce store.
- Built U.S. Conference of Catholic Bishops mobile app.
- Moved PostgreSQL database to multi-tenant setup with zero downtime.
- Worked with Docker, Ansible, Jenkins, VMware ESXi, Ubuntu, CentOS, and Cisco ASA firewalls.

Projects

Io Pictures Corporation

January 2022 to Present | Los Angeles, CA

Founded California C Corporation engaged in buying, selling, and distributing licensed and acquired motion picture titles.

- Sold rights to Tubi, Amazon, Apple, and Google through professional contacts.
- Negotiated domestic, international, publicity, and all-rights deals.
- Built digital distribution pipeline.

The Archive of American Radio, Inc.

June 2025 to Present | Los Angeles, CA

Founded 501(c)(3) tax-exempt nonprofit preserving American radio drama. Developers of the "Anthology" mobile app for listening to public-domain audio.

- Built data processing pipelines and Cloudflare Workers APIs.
- Used Cloudflare D1, R2, Turso, Supabase, and Vercel.
- Developed custom OpenAI models for metadata extraction and search.

Skills

Languages: Go, Python, JavaScript/TypeScript, Java, SQL, Bash, Rust

Cloud: AWS, Azure, Google Cloud Platform

Compute: Kubernetes, Docker, AWS EKS, Azure AKS, AWS Lambda, Azure Functions, GCP GKE

Storage: AWS S3, Cloudflare R2, Azure Blob, Redis, Kafka

Network: Istio, cert-manager, mTLS, Cloudflare Workers, API Gateway, Load Balancing

Databases: PostgreSQL, MySQL, MongoDB, Turso, Cloudflare D1, Supabase, DynamoDB

Infrastructure: Terraform, Helm, GitHub Actions, Jenkins, ArgoCD, Pulumi

AI/ML: OpenAI API, LangChain, Vector Databases, RAG, Embeddings

Observability: Prometheus, Grafana, OpenTelemetry, Datadog, PagerDuty

Security: Vault, OAuth2, JWT, PCI-DSS, SOC2, Zero Trust