

# Michael Vincent

*Software Engineer, Full Stack, Payments & Infrastructure*

Los Angeles, CA | U.S. Citizen

<https://mikevincent.dev>

## Education

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### 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

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### 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.

### 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**

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### **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**

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**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