

# Michael Vincent

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Software Engineer, Full Stack, Payments & Infrastructure

U.S. Citizen | Los Angeles, California | mikevincent.dev

## Education

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The University of Texas at Tyler, Master of Science, Industrial Engineering, December 2015

The Pennsylvania State University, Bachelor of Science, Linguistics, December 2011

The Pennsylvania State University, Bachelor of Arts, Journalism, December 2011

## Experience

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### Senior Software Engineer, Payments Infrastructure

PricewaterhouseCoopers (PwC), Los Angeles, California, United States

September 2024 to Present

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.
- Added OpenTelemetry tracing; Zelle signed as first customer.

### Relocation

Relocation

May 2024 to August 2024

Relocated to Los Angeles, California, United States.

### Software Engineering Manager, Infrastructure

Cubic Transportation Systems, San Diego, California, United States

October 2021 to April 2024

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

Cubic Transportation Systems, San Diego, California, United States

October 2019 to October 2021

Built the "Cubic AI Chatbot" letting riders check card balances by phone and text.

- 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

Cubic Transportation Systems, Washington, D.C., United States  
May 2017 to October 2019

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

- Added Terraform, Kubernetes, and Docker to the organization.
- Passed PCI, SOC2, ISO, and SOX audits.
- Built Kubernetes monitoring with Prometheus and Grafana.

## **Senior Software Engineer, Infrastructure**

EPAM Systems, Washington, D.C., United States  
May 2016 to April 2017

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.
- Deployed microservices with Docker and Kubernetes 1.2.

## **Software Engineer**

EPAM Systems, Washington, D.C., United States  
May 2015 to April 2016

Backend engineer on full-stack team building mobile apps and e-commerce platforms.

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

## **Projects**

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### **Io Pictures Corporation**

January 2022 to Present

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

Founded California nonprofit for public-domain American radio drama, building the "Anthology" mobile app.

- 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.

### **Quark's Outlines**

September 2024 to Present

A learners guide to Python, published as a series of 100+ quick-read articles on DEV.to.

# 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