

# ADIL MODAN

adilmodan@gmail.com | (415) 912-7197 | Bay Area, CA | adilmodan.com | linkedin.com/in/adilmodan

## SUMMARY

Platform Engineer operating large-scale Kubernetes infrastructure supporting product launches at over **120 million** request volume. Led an org-wide observability migration reducing latency by **92%** and incidents by **63%**. Background includes founding a profitable startup and building payment systems processing over **\$27M** annually.

## EXPERIENCE

**Platform / DevOps Engineer** | *Apple Inc.*

**Mar 2022 to Present**

### Platform & Kubernetes Operations

Operated **48** Kubernetes clusters (**30** nonprod, **18** prod) supporting **60** microservices as the org's infrastructure foundation

Executed org-wide migration from internal cloud to AWS EKS to reduce costs, optimize integrations, and modernize capabilities

Configured over **60** GSLBs, VIPs, and SSL certs to expose secure endpoints, maintaining **99.9%** uptime across **3** regions

Scaled infrastructure for iPhone launches, enabling over **120 million** requests and **40 million** transactions per launch weekend

### Observability & Monitoring

Led migration from Splunk to Grafana/Prometheus/Thanos after identifying performance failures during high-demand periods

Rolled out new stack across **16** teams (**120** stakeholders), cutting latency **92%** and incidents **63%**, zero launch downtime

Built over **120** Grafana dashboards by partnering with SREs and developers to draft each to their operational specs

Optimized query performance by creating over **700** recording rules and deploying over **140** sharded Prometheus instances

Eliminated org-wide data gaps across **16** teams by engineering automated label injection at the CI/CD layer

### Policy, Security & Governance

Resolved cross-app resource conflicts by driving OPA Gatekeeper adoption and **12** custom constraints across all clusters

Implemented **20** IAM roles and RBAC across **60** apps to integrate internal identity with application-level permissions

### CI/CD, Automation & Cost Optimization

Built **10** and maintained over **50** CI/CD pipelines using GitHub Actions, ArgoCD, and Jenkins across all environments

Developed over **50** Python and Bash scripts for linting, deployments, health checks, and testing, reducing manual effort org-wide

Built AI-powered PR validation using Claude to diff manifests and prevent unintended changes to shared resources

Cut infrastructure spend by **36%** by implementing Goldilocks HPA/VPA autoscaling while onboarding **20%** more applications

Validated monitoring capacity using Gatling load tests against expected launch volumes, drafting optimization reports

Diagnosed complex production issues across teams by applying structured root cause analysis to unfamiliar codebases

**Software Engineer** | *Tata Consultancy Services*

**Apr 2021 to Mar 2022**

Designed and built **15** REST APIs with OAuth 2.0/JWT using Java and Angular, delivering secure enterprise app functionality

Migrated **10** production tables from Oracle to MySQL, improving query performance by **35%**

Automated **20** reports and build scripts, replacing manual compilation and reducing delivery time by **80%**

**Founder & Principal Engineer (concurrent with PFI)** | *Marin CoWork*

**Aug 2019 to Apr 2021**

Founded and scaled coworking startup to **6** spaces, **50** long-term tenants, over **600** day pass sales, profitable in year **1**

Modernized collections for **2,400** tenants (over **\$27M** annually) by building automated Plaid payment integration

Architected full platform from scratch: CRM (over **1,000** leads), payments, and analytics serving over **3,000** tenants

Consolidated **5** payment vendors (Stripe, Plaid, Square, PayPal, Authorize.net) into a unified processing system

Hired, mentored, and managed **5** data science interns, directing analytical projects and reviewing deliverables

**Software Engineer** | *Professional Financial Investors*

**Mar 2017 to Apr 2021**

Built CRM and vendor systems integrating multiple payment APIs, replacing fragmented manual workflows

Migrated all tenant data from spreadsheets into structured databases, enabling reliable tracking and reporting

Led **5** interns analyzing over **40** markets across **3** levels, producing over **30** reports for investment decisions

## SKILLS

|                              |   |                       |   |
|------------------------------|---|-----------------------|---|
| <b>Infrastructure:</b>       | Kubernetes, AWS, Docker, Terraform, Kubernetes, Helm, Linux     | <b>Observability:</b> | Grafana, Prometheus, Thanos, Splunk, Open-Telemetry |
| <b>CI/CD &amp; Security:</b> | Git, GitHub Actions, ArgoCD, Jenkins, OPA Gatekeeper, RBAC, IAM | <b>Languages:</b>     | Python, Bash, Java, JavaScript, SQL                 |

## EDUCATION

**B.S. in Electrical Engineering**, San Francisco State University, San Francisco, CA

2020