

Pranav Ravichandran

Tech Lead — Software Architecture — Cloud Systems — Engineering Management — Developer Platforms

San Jose, CA ♦ me@onloop.net

Professional Summary

Tech leader with a decade of experience designing cloud-native systems, leading cross-functional engineering teams, and delivering scalable software for enterprise and compliance-focused applications. Expert in AWS infrastructure, microservices, CI/CD, observability, and stakeholder alignment. Proven success in bridging engineering execution with business impact through customer-centric architecture and operational excellence.

Experience

Chainalysis

Dec 2022 - Current

Tech Lead and Interim Manager, Entity Monitoring (Compliance)

Remote

- Designed and delivered risk-scoring and monitoring pipelines for crypto compliance, enabling a **20% increase in revenue** through enhanced customer-facing features.
- Partnered with product, compliance, and analytics stakeholders to shape architecture of **high-availability microservices** using AWS, Spark, and **event-driven design**.
- Acted as **interim manager** for a globally distributed team, balancing delivery oversight, career coaching, and roadmap planning.
- Drove adoption of observability best practices and **mentored engineers** on building resilient and maintainable systems.
- Technologies:** AWS (S3, Lambda, DynamoDB), Spark, DBT, Kafka, PostgreSQL, Python, Java.

LinkedIn

May 2019 - Dec 2022

Senior Software Engineer, Test Experience (Developer Productivity)

Sunnyvale, CA

- Partnered with internal product teams to design and launch **Epsilon**, a distributed record-replay system that **improved test quality and deployment safety**.
- Acted as internal solutions consultant, **onboarding 40+ teams** through technical workshops, design sessions, and platform integrations.
- Improved live test infrastructure reliability and CI pipeline stability, helping **reduce flakiness by over 25%** across key services.
- Presented internally and maintained architectural docs to **drive adoption** and ensure long-term platform scalability.
- Technologies:** Java, Kafka, Protobuf, Prometheus, PostgreSQL, Ember.js.

Yahoo

Feb 2017 - May 2019

Software Development Engineer, Developer Platforms and Services

Sunnyvale, CA

- Architected and scaled Yahoo's CI/CD platform (**Screwdriver**) **supporting 50+ teams**, including multi-region deployment capabilities and resilient job orchestration.
- Delivered custom CI pipeline tooling for **iOS app delivery**, enabling automated App Store workflows for **20+ teams**.
- Facilitated architecture reviews and team **enablement initiatives to standardize** DevOps practices across engineering orgs.
- Presented at Yahoo Tech Pulse 2017** on scalable CI/CD systems and operational workflows.
- Technologies:** Jenkins, Node.js, Redis, Docker, Kubernetes, PostgreSQL, Python.

Early Career

Yahoo

May - Aug 2016

Software Engineering Intern, Developer Platforms and Services

Sunnyvale, CA

- Developed enhancements for Yahoo's internal CI systems, **improving developer experience** and throughput.
- Collaborated with mobile teams to **modernize legacy iOS build pipelines**.

HappyFox Inc.

Jan 2014 - May 2015

Software Developer (Full stack)

Chennai, India

- Built and maintained core CRM and chat modules, owning **frontend and backend systems end-to-end**.
- Re-engineered CRM rules engine using a queue-based model, **reducing rule evaluation latency by 50%**.

- Implemented semantic search using Latent Semantic Analysis for **knowledge base improvements**.

Google Summer of Code, Google

Student Developer

Apr - Sep 2011

Remote

- Integrated SMARTS AI library into KDE Gluon and **implemented a GUI plugin editor** for AI behavior trees.

Open Source Work & Projects @ github.com/pranavrc

Mozilla Firefox

2012–2013

Implemented features and bug fixes for **Firefox developer tools**; contributed to WebIDL spec compliance.

PySynth

July 2012

Created **CLI for musical notation rendering** with dynamic playback and multi-library audio support.

Technical Skills

Cloud & DevOps: AWS (Lambda, DynamoDB, S3, IAM), Docker, Kubernetes, Jenkins, Terraform

Languages: Python, Java, Node.js, SQL, Bash

Architecture: Microservices, Event-Driven Design, CI/CD Pipelines, Observability, Resilience Engineering

Leadership: Technical Mentorship, Stakeholder Management, Agile Planning, Team Building

Education

University of Florida

M.S. in Computer Science

Dec 2016

Gainesville, FL

Anna University

B.E. in Electrical and Electronics Engineering

2009-2013

Chennai, India