

Pranjal Karankar

✉ pranjalkarankar20@gmail.com | ☎ 480 494 1580

Summary

A collaborative and nimble tech leader with a proven track record of delivering exceptional results. With master's in Software Engineering and approximately 7 years of experience, I specialize in building high-performing teams and successfully navigating complex projects. My technical expertise lies in microservices, cloud, and domain-driven architectures, enabling me to develop innovative and cost-efficient solutions.

Education

Arizona State University

Master of Science, Software Engineering

GPA: 3.6 / 4.0

May 2018

University of Pune

Bachelor of Engineering, Electronics & Telecom.

GPA: 3.8 / 4.0

May 2015

Harvard Business School Online

CORE – Economics, Accounting, Business Analytics

Pass with Honors

August 2019

Skills

Current: Java, Kafka, Spring Boot, Cassandra, Postgres, Solr, Memcached, Docker, Kubernetes, Git, Splunk

Past: JavaScript, Vue JS, Node JS, Scala, Python, MongoDB, Azure Sql

Experience

Walmart Inc ^{AR}

Senior Software Engineer

August 2022 – Present

- Spearheaded the development and deployment of a modern Sam's Club Replenishment Warehouse Order Management system for all 18 Grocery DCs and ongoing implementation in 4 Import DCs, leading a scrum team of 10 engineers.
- Championed a scalable and resilient event-driven microservices architecture that handles millions of burst transactions, garnering approval from a panel of architects. Ensured the central focus around domain driven design and reusability.
- Leveraged fault-tolerant design patterns like Virtual Queues, Outbox, CQRS, Circuit Breakers, and systematic recovery measures. This proactive approach resulted in a 99.9% system uptime rate and minimized data loss.
- Conducted rigorous Disaster Recovery and Performance Testing exercises to ensure continuous system availability.
- Successfully recruited top talent by actively taking technical interviews and mentoring 2 engineers to enhance their skillset.

Software Engineer III

April 2021 – July 2022

- Revolutionized supplier onboarding experience for 500k+ global users by developing multi-tenant microservices, slashing average onboarding time from 60 days to 7 and turning a -30 NPS into a neutral 0.
- Streamlined the experience for 24-hour onboarding journey and conceptualized backend workflows for pre-vetted suppliers.
- Championed cost-efficiency, slashing computing costs by 30% through CI/CD and containerized public cloud deployments.
- Boosted developer productivity and code quality by leading a team of 4 offshore engineers through code reviews, pair programming, and using internal-tool automation for logging, alerting, and application metrics dashboards.
- Influenced strategy by presenting technical proof of concepts to executives across the organization and collaborating with stakeholders on converting product requirements to technical stories.

Software Engineer II

July 2018 – March 2021

- Led implementation of Contact Hub to centralize supplier contacts which deprecated more than 90% of support entry points.
- Developed microservices, data migration, and sanitization scripts, seamlessly integrating them with legacy systems through Kafka. This strategic integration led to a significant annual cost savings of \$1.04M through effective case deflection.
- Collaborated closely with multiple engineering and support teams, efficiently troubleshooting, and resolving critical P1 incidents during on-call rotations. Conducted thorough Root Cause Analyses (RCAs) to prevent future occurrences.
- Coached a cross-functional team of 8 engineers in Agile-Scrum, resulting in improved transparency and productivity.

Arizona State University ^{AZ}

Student Developer

October 2016 - March 2018

- Developed scalable Rest APIs for the application portal of Arizona State University used by 100K+ applicants every year.
- Reduced human data entry errors by 70% by using Optical Image Recognition on student transcript uploads.

Accenture INDIA

Associate Software Engineer

June 2015 - June 2016

- Developed backend spring MVC APIs for historical sales data viewer application for a large scale FMCG client.
- Revamped legacy stored procedures using query optimization and indexing which reduced execution time by 50%.

Recognition

Received **Making the Difference** award **twice** for leading key Replenishment initiatives & **Bravo** award for engineering skills.

Dale Carnegie Human Relations and Communication Course (12 weeks): Outstanding Performance Award

Scrum.org Professional Scrum Product Owner I (PSPO), Professional Scrum Master I (PSM)

Academic Projects

Show Me Related Research (Neo4j, MongoDB, Spring Boot, VueJS)

Web app for visual interrelation model using Graph DB for related research papers. Data scraped from 10+ research publications.

Homebrewed (NodeJS, VueJS, MongoDB)

B2C Platform to build digital restaurants using integrated ordering, rating, and delivery for home kitchens.