Pranjal Karankar

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Education

Arizona State University   *May 2018*
Master of Science, Software Engineering (GPA: 3.6 / 4.0)

University of Pune   *May 2015*
Bachelor of Engineering, Electronics & Telecom. (GPA: 3.8 / 4.0)

Harvard Business School Online   *August 2019*
CORe – Economics, Accounting, Business Analytics (Pass with Honors)

Skills

- Java, Kafka, Spring Boot, JavaScript, Node JS, Vue JS, Scala
- Postgres, Cassandra, MongoDB, Solr, Memcached
- Docker, Kubernetes, Git, Splunk, Grafana, Dynatrace
- Distributed Systems, Scrum / Agile, Engineering Management

Experience

Walmart Inc AR

Senior Software Engineer   *August 2022 – Present*

- Led a scrum team of 10 engineers for 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.
- 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.
- Achieved 99.9% system uptime rate and minimized data loss by leveraging fault-tolerant design patterns like Virtual Queues, Outbox, CQRS, Circuit Breakers, and systematic self-healing measures.
- Conducted rigorous Disaster Recovery and Performance Testing exercises to ensure continuous system availability.
- Successfully recruited top talent by taking 50+ technical interviews and mentoring 2 engineers to enhance their skillset.

Software Engineer III   *April 2021 – July 2022*

- Developed multi-tenant microservices to redefine supplier onboarding experience for 500k+ global users by, 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.
- Advocated 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.
- Established Observability & Operational Excellence practices with logging, alerting, tracing, 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)