

Pranjal Karankar

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Education	Arizona State University	GPA: 3.6 / 4.0
	<i>Master of Science, Software Engineering</i>	<i>May 2018</i>
	University of Pune	GPA: 3.8 / 4.0
	<i>Bachelor of Engineering, Electronics & Telecom.</i>	<i>May 2015</i>
Skills	Harvard Business School Online	Pass with Honors
	<i>CORe – Economics, Accounting, Business Analytics</i>	<i>August 2019</i>
	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 <small>AR</small>	
	<i>Senior Software Engineer</i>	<i>August 2022 – Present</i>
	<ul style="list-style-type: none">• 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.	
	<i>Software Engineer III</i>	<i>April 2021 – July 2022</i>
	<ul style="list-style-type: none">• 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.	
	<i>Software Engineer II</i>	<i>July 2018 – March 2021</i>
	<ul style="list-style-type: none">• 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 <small>AZ</small>	
	<i>Student Developer</i>	<i>October 2016 - March 2018</i>
	<ul style="list-style-type: none">• 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	
	<i>Associate Software Engineer</i>	<i>June 2015 - June 2016</i>
	<ul style="list-style-type: none">• 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.