



Kaustubha Amaravadi

SOFTWARE DEVELOPMENT
MANAGER

Contact

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Links

[Linkedin](#)

Skills

Leadership & People
Management: Experienced in
building and scaling
teams, driving cross-functional
collaboration, mentoring and
growing engineers, and ensuring
on-time project delivery.

System Design & Architecture:
Skilled in designing distributed
systems and microservices, with
expertise in building scalable,
resilient platforms.

Software Development:
Proficient in Java, C++,
Python, AWS tools and SQL
with extensive experience in
backend development and API
integration.

Agile & Delivery Practices:
Expertise in Agile and Scrum,
including serving as Scrum
Master and Product Owner.
Skilled in CI/CD and DevOps
practices to accelerate delivery
and improve quality.

Professional Summary

Proven engineering leader with over a decade of experience in software development, and the last 5+ years focused on managing and scaling engineering teams as a Software Development Manager. Delivered \$100M+ annual savings at Amazon by building automation and risk-detection systems. Skilled in distributed systems design, cloud services, and backend development. Strong track record of mentoring engineers, building teams from the ground up, and aligning engineering strategy with business impact.

Employment History

Software Development Manager, Amazon

NOV 2019 — PRESENT

- Led a team of 9 Software Development Engineers (SDEs) to develop systems that detect and mitigate abuse of Amazon's concessions policies, resulting in \$100M+ in annual savings.
- Designed scalable backend services to apply verification measures dynamically based on real-time risk signals.
- Built and transitioned a new team of 8 SDEs to automate customer contact workflows, significantly improving interaction efficiency and support quality.
- Built and led a team of 6 SDEs to develop services that assess delivery risk at checkout and recommend secure delivery options, enhancing trust and customer satisfaction.

Software Developer, Amazon

FEB 2018 — NOV 2019

- Developed core services for Amazon checkout to proactively assess and mitigate delivery failure risks.
- Contributed to software for Amazon IoT devices, optimizing performance through data analysis.
- Designed a C-based high-performance service between OS and application layers, optimizing memory and storage.

Software Developer/Tech Lead, GAP Inc.

JUL 2015 — FEB 2018

- Led the implementation of a new Warehouse Management System (WMS) with Manhattan WMOS, improving operational efficiency and inventory accuracy.
- Managed a cross-functional team of 4 engineers to enhance WMS software performance.
- Developed services to streamline order fulfillment, improving speed and accuracy.

Member Technical Staff, Oracle

JUN 2012 — JUL 2013

- Automated and optimized ETL testing using Oracle Data Integrator and Oracle BI Applications.
- Developed services to enhance efficiency in academic data analytics through contributions to Oracle BI's Student Information Analytics module.

Education

Masters in Computer Science, The Ohio State University

JUL 2013 — MAY 2015

Bachelor of Technology in Computer Science and Engineering, National Institute of Technology, Warangal (NITW)

JUL 2008 — MAY 2012