

# Sanchay Sankhala

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## Professional Experience

### Amazon, Chennai – Software Development Engineer I

Aug 2021 - Mar 2023

- Technologies used: SpringBoot, Node.js
- AWS services used: cloudwatch, SNS/SQS, Lambda, load balancer.
- Successfully rolled out feature allowing about 7 million users to pause and resume Kindle Unlimited subscriptions. Fixed critical bugs spanning multiple services to ensure timely launch.
- Collaborated with multiple teams on design of REST APIs for delivering book-related data. Expedited development and safely transitioned to the APIs, while handling 6.2 million daily requests worldwide which fixed security issues.
- Eliminated inconsistent UX and resolved security issues for about 60k requests per day by building web pages from scratch on Spring and moving away from older technologies.
- Authored technical documentation with HLD and LLD and engaged in design reviews to enhance project designs through team feedback.
- Learning Experiences: Cross-team communication, MVC Architecture, Distributed systems, CI/CD, Test driven development, Object Calisthenics, Containerisation, Serverless, SQL and NoSQL databases, Event-Driven Architecture, Object-Oriented Programming

### Amazon, Chennai – Software Development Engineer Intern

Jan 2021 - Jul 2021

- Technologies used: SpringBoot, Node.js
- Increased revenue by about 100% and resolved major issues for certain rare ebook purchasing scenarios by reconstructing requests being made through micro-services in the purchase workflow.
- Built and monitored service metric dashboards, to proactively identify and address failures while launching a project.
- Identified and efficiently redirected 6 use cases contributing traffic to deprecating systems by integrating with current generation services.
- Explored existing traffic logs and authored queries to filter out relevant information. Establishing a simpler process to investigate requests, reducing the time required by 99%.
- Learning experiences: Design patterns, MVC architecture, Event-driven architecture, Micro service architecture, A/B testing, CI/CD.

## Technical Skills

- Backend: Spring Boot, node.js
- Databases: MySQL, DynamoDb.
- AWS Familiarity: EC2, Lambda, S3, Cloud-front, CloudWatch, route53, Load balancer.
- Frontend: JavaScript, JSP
- Tools: Linux, Git, Docker, Kubernetes, Jenkins, Jira.
- Languages: Java, Javascript, Python

## Education

Jul 2017 - Jul 2021

### Vellore Institute of Technology, Vellore – Bachelors of Technology (I.T.)

8.49 GPA