

Pankaj Kumar

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Profile

As a passionate full-stack developer and an AWS Certified Solutions Architect, I enjoy designing scalable, efficient, and maintainable systems. At Samsung, I have worked on deploying APIs that serve data to Samsung TVs worldwide, along with a partner portal that enables content providers to create and manage partner products on the Samsung TV platform.

I have strong expertise in AWS, Spring Boot, Angular, and Jenkins, Terraform.

Education

Indian Institute of Technology, Varanasi (IIT-BHU)

July 2017

B.Tech. in Electronics and Communication Engineering

Experience

Chief Software Engineer, Cloud Platform Samsung – Noida,India

July 2020 - Present

- Designed and developed a Product Management Platform that enables content providers to create, manage, and sell their products including apps, in-app purchases, and subscriptions on the Samsung TV platform.
- **Unified Payment Platform**: Developed and managed an API-driven payment platform for Samsung TV purchases, ensuring seamless transactions.
- **Notification System (Webhook)**: Designed an event-driven system using API Gateway, DynamoDB & SQS for real-time transaction updates.
- **Unified Mail Service**: Designed and implemented a scalable *email-sending service* for system notifications.
- **Software Release & API Testing**: Managed AWS deployments using Terraform, ensuring seamless releases and maintainable IaC.
- Reduced the settlement report download time from 3min to 20sec by using AWS Batch and Lambda.

Lead Software Engineer, Product Software, Samsung – Noida,India

July 2017 – 2020

- Developed a Node.js server to allow users to connect Soundbar to WiFi using a web browser.
- Optimized Samsung's Soundbar connection time from 30sec to 15sec enhancing user experience..
- Optimized system response time by implementing the **Command Design Pattern** for handling read/update requests via Samsung Cloud.
- Collaborated with **multiple departments and overseas divisions** for feature development and defect management.

Projects

SpellMaster

A learning app designed to strengthen your vocabulary skills! Hear a word pronounced aloud, then type it correctly to improve your spelling and word recognition. SpellMaster makes learning engaging and effective!

Self-Hosted Private Cloud & Remote Access System

Developed a personal, no-cost, always on cloud solution using raspi, aws route53, aws lambda , bash scripts and linux cron jobs.

Certification, Leadership and Awards

AWS Certified Solutions Architect - Associate (SAA C03)

Jan 2025

Employee of the Year Award at Samsung

Udemy Certifications: SpringBoot, Junit, Java, JavaScript,React,Angular,Gradle

Technologies

Languages: Java, JavaScript, HTML/CSS, SQL, C, C++, Python

Framework & Tools: Spring Boot, Spring Security, MyBatis, Gradle, Angular, React, Redux, Node.js

Cloud & Deployment: AWS Lambda, AWS Batch, ECS, Terraform, Jenkins, CI/CI, ALB