

Employment [5.9 yrs]

Software Engineer - II, Backend **Upland Software India** **Sept 2023 – Present**

- Engineered a high-volume SMS/MMS broadcast messaging system, processing 100K+ messages/day with high throughput and reliability.
- Upgraded Mongodb across all Java applications and Ruby applications with minimal downtime
- Contributed to Upland's Global Gen-AI Copilot Program, integrating AI-driven features into core products
- Migrated MMS SMPP API integrations from Skycore to in-house, improving reliability by 40% and reducing costs
- Integrated OpenAI ChatGPT API into campaign workflows; won Innovation Hackathon Award.
- Techstack: Java 8, Springboot, maven, AWS, Microservices, Ruby, REST-API, Rabbitmq, Mysql and Mongodb.

Software Engineer - I, Backend **Upland Software India** **Aug 2022 – Aug 2023**

- Earned MVP recognition for 2 consecutive months for on-time delivery of critical features with high reliability
- Developed Engage Hub Migration project, an API integration project that reduced \$500K cost annually.
- Designed and built a Quartz-based job scheduling system, processing 50k+ daily feedback records with 99.9% reliability
- Techstack: Java 8, Springboot, maven, AWS, Microservices, REST-API, Rabbitmq, Quartz and Mongodb.

Software Engineer, Full Stack **Testsigma Technologies** **Oct 2020 – July 2022**

- Built microservices and RESTful APIs in Java 11 and Spring Boot, driving product enhancements in the low-code test automation platform.
- Contributed and managed the Testsigma Open Source development.
- Optimised 200+ Automation code-free Actions into 40+ for a better user experience.
- Developed a tool for custom Action Add-ons with Java Automation Code Generation & Analysis Platform
- Developed Mailbox Automation Support and Cloud Mobile inspection features from scratch.
- Techstack: Spring Boot, Angular, Java 11, AWS, Docker and SQL

Software Long-term Intern **RGUKT - Nuzvid** **Jun 2019 – Mar 2020**

- Architected an AI-powered examination management system handling academic records for 10,000+ students
- Developed automated grade calculation and reporting system, reducing manual processing time by 80%.
- Implemented a comprehensive analytics dashboard for tracking student performance metrics and generating insights
- Techstack: Javascript, HTML, CSS, PHP and Linux

Skills

- Java 7, 8, 17, Python 3, REST API, C, My-SQL, HTML5, Angular 10, Spring Boot, AWS, MongoDB, GO, Hibernate
- Git & Github, Docker, JIRA (Atlassian), Linux, Mac OS, Postman, IntelliJ IDEA, Message Queues
- Microservices, OOPs, Agile methodologies, Design Patterns, Data Structures, Product Development

Education

Rajiv Gandhi University of Knowledge Technologies **July 2017 – Aug 2021**

- B.Tech. in Electronics and Communication Engineering.

Technical Experience

Projects

- **Database Voice Assistant** (2020).
- Developed voice-to-SQL conversion system with 90% accuracy using Python 3, MySQL, and Google TTS API
- Implemented natural language processing to handle complex query patterns and user variations
- **Automated 2D spectacles generation** (2020).
- Designed and implemented automated 2D spectacle generation using image processing libraries such as OpenCV and Pillow with Python 3 for real-world measurements in 2D.

- **Self-Driving Car on FPGA (2019).**
- Engineered a groundbreaking self-driving car model on DE-10 Nano FPGA
- Integrated real-time lane detection, path planning, and obstacle avoidance, achieving 90% accuracy using OpenCV
- Implemented ML algorithms for decision-making and computer vision for environmental perception

Activities and Awards

- **Global Award of Excellence for Innovation (2019):** India's 1st team to be honored with the Award of Excellence.
- **Gold Award, Innovate FPGA (2019):** Achieved Gold Award in Innovate FPGA Global Design Contest – 2019 Regional Finals from Asia Pacific Japan.