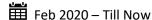
Bengaluru, India

With a strong foundation in full-stack development, I am a Certified AWS Solution Architect with a deep understanding of cloud-based solutions. With expertise in product design, computer vision and passion for open-source.

PROFESSIONAL EXPERIENCE

Senior Software Developer Engineer

LotusPay



As the only engineer of the technical department, I curated and implemented a comprehensive tech stack, ensuring its alignment with business goals and overseeing the overall functioning of the department.

Image Processing Standalone EC2 Instance

- Collaborated with cross-functional teams to analyze user requirements, design technical specifications, and develop a scalable image processing architecture that resulted in a reduction of image processing time to **3 sec** and improved the **productivity** of the operations team by **150%**.
- Implemented real-time monitoring and reporting tools to track system performance, resulting in a 90% reduction in downtime incidents and an average resolution time of less than 5 minutes.

Payment's Importing System

• Developed a new technique for importing all the auto payment data from the bank to the native system leading to **decreasing** in server process time by **15x** (**MySQL**).

Platform Upgrade

- Single-handedly managed the successful **upgrade** and deployment of the new production environments on AWS Elastic Beanstalk with zero cost overruns and zero production downtime 3 times in a year.
- Implemented AWS Route53 for blue green deployment to avoid downtime during peak hours.
- Managed the requirements gathering processes to support the development of new and enhanced features and functions.
- Identified performance bottlenecks through profiling tools and implemented caching strategies, reducing server load by 50%, improving scalability and saving \$10k/yr on hosting costs.
- Developed customized error messages for each unused REST API request, reducing customer confusion and increasing overall satisfaction by 25%.
- Decreasing the **page load time** from 7s to 1s by implementing AJAX call for heavy queries.
- Implemented and deployed VPN access to organizations VPC using AWS VPN.
- •Developed a secure three-stage pipeline mechanism using AWS workspaces to ensure that confidential code repositories were never directly accessed, reducing the risk of data leakage by 60%.

AWS Linux Service Scripts

- Designed Linux services to avoid fault deployment to production and robustly handle the ongoing background jobs using Redis and sidekiq with REST APIs
- Developed serverless functions to automate periodic job processes, resulting in a 90% reduction in human intervention and freeing up core servers for more critical tasks using AWS Lambda.
- Ran A/B testing to figure out which web page leads to max conversions and also developed scripts to perform testing to get hold of critical errors at an earliest

SKILLS

- Ruby on Rails, Python, C++, JavaScript
- Flask, Shell Scripting
- MySQL, DynamoDB, PostgreSQL
- Redis, Sidekig, Git, GitHub
- Amazon Web Services
- REST API's
- Dockers
- Data Structure and Algorithms

ACHIEVEMENTS / Recognition

- Successfully published a manuscript on **Detection and Segmentation.**
- Best Server-Side project in the country by Udacity.
- Very active and profound in college:
 - Won prizes intercollege hackathons.
 - Well-honed public speaking skills, developed over the course of a four-year by giving tech seminar, speaking at meetups, and college debates.

PROJECTS

- Neighborhood Map KnockoutJS and Google Map API
- This Application helps to find the best places to visit in city using google maps.
- Blood Bank Web Project Python, Flask, Google OAuth
 - This Application will help you to enter details and maintain record and do quick analysis of the blood category and send blood the need person quickly.
- Google Assistant App Google DialogFlow
 - Developed three apps in google assistant using DialogFlow chat bot for introduction, learning python and sports quiz.
- Heat mapping over an Image Resnet50
- Google Keep Replica NodeJS, HTML and CSS
- Drum Machine ReactJS
 - Developed a music system where you can make different type of beats for your upcoming music using 9 keys.