

Bengaluru, India

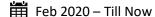


Full-stack developer skilled with Ruby on Rails, React, Python, and AWS services. Certified AWS Solution Architect with expertise in designing secure, scalable solutions. Experience at delivering high-quality end-to-end solutions on time.

# *PROFESSIONAL EX*PERIENCE

Lead Engineer

# LotusPay(acquired by Juspay)



Led the technical department as its only developer and establishing an agile framework. I engineered the cutting-edge tech stack to align it seamlessly with the organization's strategic objectives and achieving the result with improved overall efficiency

- Developed robust and scalable REST APIs functions using Ruby on Rails and Redis and EC2 which led to a 90% improvement in overall system payment interactions. This freed up core servers for more critical tasks.
- Redesigned A/B testing to figure out which web page leads to max conversions and understanding user preferences and behaviour, leading to a 30% increase in conversion rates.
- Streamlined real-time monitoring and reporting tools to track system performance, giving in a 95% reduction in downtime incidents and maintaining an average resolution time of less than 5 minutes.

### **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 boosted the **productivity** of the operations team by **150%**.

# **Payment's Importing System**

• Created and coded a new technique to **import** all auto payment data from the bank to the native system, resulting in a **15x decrease** in server **processing time** (MySQL).

#### **Platform Upgrade**

- Executed the **upgrade** process and deployed the new environments on AWS Elastic Beanstalk twice a year, achieving **zero** cost **overruns** and zero production downtime.
- Analysed and utilitzed AWS Route53 for blue-green deployment, **reducing downtime** by 30% during peak hours.
- Identified **performance bottlenecks** problem through profiling tools and implemented caching strategies, reducing server load by 50%, improving scalability and saving \$10k/yrs on hosting expenses.
- Initiated customized error messages for each unused Rest API request, reduced customer confusion and increased overall **satisfaction** by 25%.
- Implemented HTTP protocols to execute AJAX request for heavy queries, decreasing load time from 7 to 1 sec.

#### **AWS Service and Scripts**

- Designed Linux services to prevent faulty deployments to production and manage ongoing background jobs using **Redis** and **sidekiq** refining the operations by 35%.
- Implemented and expanded a secure three-stage pipeline mechanism utilizing AWS Workspaces, thereby ensuring that confidential code repositories were never directly accessed, resulting in a 60% **reduction** in the risk of data leakage.
- Implemented payment popups to meticulously track payments attributed to miscellaneous factors, resulting in 90% reduction in payment drop cases.

# **SKILLS**

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

# *ACHIEVEMENTS / RECOGNITIONS*

- Published manuscript on Object Detection and **Segmentation** in International Scientific Research.
- Won best **Server-Side** project in the country by Udacity.
- Cultivated public speaking skills over the course of a fouryear 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 API's and list gets updated twice a year.
- Blood Bank Web Project Python, Flask, Google OAuth
  - This Application maintains records, does a guick analysis of the blood category, and sends blood to the needy in under 1 second.
- Google Assistant App Google DialogFlow
- Created three apps in google assistant using DialogFlow chat bot for introduction, learning python and sports quiz.
- Heat mapping over an Image Resnet50.

#### **EDUCATION**

#### **GRADUATION**

B TECH, Computer Science (June 2016 – June 2020) Cambridge Institute of Technology - Bengaluru