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 testing, product design, computer vision, and docker.

theankitsingh1999@gmail.com ⊠

+91 87\*\*\*\*\*18

https://www.linkedin.com/in/ankitsingh99/ 
https://github.com/amankitsingh

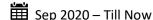
Bengaluru, India

# gh 🗘 tia 👂

#### *PROFESSIONAL EX*PERIENCE

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%.
- Developed and implemented a robust **AWS EC2 instance**, resulting in a **99.9% uptime** for production, testing, and staging environments.
- 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.
- Managed to do 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%.
- Decrease the **page load time** from 8s to 1s by implementing **AJAX** call for heavy queries.

#### **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

#### **NGINX**

- Developed Nginx scripts to avoid unused REST APIs requests at the load balancer level and give an appropriate error to the request.
- Perform Server Audit/Maintenance/Update on Weekly basis into all regions hosted servers.
- 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%.
- Implemented and deployed **VPN access** to organizations **VPC** using **AWS VPN**.
- 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 smoke testing to get hold of critical errors at an earliest

### *SKILLS*

- Ruby, Python, C/C++, JavaScript, NodeJS, Shell Scripting
- Rails, Flask
- MySQL, DynamoDB, PostgreSQL
- Redis, Sidekig, Git, Github
- Amazon Web Services

# **ACHIEVEMENTS** / Recognition

- Certified AWS Solution Architect
- Named among 'Rockstar Developer' for outstanding performance in LotusPay.
- Successfully published a manuscript on Object Detection and Segmentation.
- Best Server-Side project in the country by Udacity.
- Very active and profound in college:
  - Won prizes in various software dev, and hackathons.
  - Well-honed public speaking skills, developed over the course of a four-year by attending various tech seminar, meetups, and college debates.

#### INTERNSHIP

 LotusPay - Software Engineering - (Feb 2020 – Aug 2020)

# **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
- Pomodoro Clock ReactJS
- Drum Machine ReactJS
  - Developed a music system where you can make different type of beats for your upcoming music using 9 keys.

#### **INTERESTS**



### **EDUCATION**

#### **GRADUATION**

**BTECH,** Computer Science (2016-2020) Cambridge Institute of Technology – Bengaluru

School: 12th - 2016

Airforce School ASTE - Bengaluru

School: 10th - 2014

Airforce School ASTE - Bengaluru

# **FAVORITE BOOKS**

