

Suhal Vemu

Senior Software engineer with 8 + years of experience in software development with industry domains ranging from services to product-based companies.

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EXPERIENCE

JP Morgan chase, Bangalore — Associate

AUGUST 2020 - JUNE 2023

I am currently working with a network load balancing team for developing and maintaining the product that offers various load balancers in the private cloud space(similar to NLB,ALB in AWS).

- Worked on building microservices that helped customers to order load balancers for their applications in a private cloud.
- Worked on Load balancing products like F5 BIG IP, LTM, and GTM devices.
- Owned a module in a project where I managed technical debt and scaling for new features (load balancer state management of the Servers and SSL certificate management for Load balancers).
- Involved in code reviews, code release, deployment and maintenance activities and documentation .
- Implemented CI/CD pipelines for the microservices and automated the testing where I evangelized the team's test-driven development.
- Involved in customer engagement for understanding and fixing the issues arising from the product .
- Worked on creating user stories for the product, participating in daily scrum-related activities in an agile framework.

Cropin Technologies, Bangalore — Senior Software Engineer

FEBRUARY 2018 - DECEMBER 2019

In this startup, I worked with the Data platform team where my job responsibilities and work I did

- Worked on developing data pipelines for the data science teams using AWS SQS, SNS, and Lambda.
- Implemented Microservices using Django for developing a weather platform where weather data is consumed by other applications for calculating crop prediction. Optimized API calls to external API and reduced billing amount.
- Worked on building APIs for smart risk products (it is a product that shows the crops that are detected from machine learning algorithms using satellite images)

SKILLS

Programming: Python
(Advanced) , JAVA(decent)
GO(learned self)

Frameworks: Django, Flask.

Message Broker/streaming:
RabbitMQ, AWS SQS, Kafka

FrontEnd: HTML, CSS,
Javascript(just know)

Databases: Postgres, Oracle
DB, MySQL, Dynamo DB

Cloud: AWS, private cloud
JPMC.

Containers: Docker,
Kubernetes(Intermediate)

Networking: TCP/IP, HTTP,
SSL, HTTP.

Testing: unit test, TDD, BDD.

CI/CD Tools: bitbucket,
Jenkins, container
technologies using cloud
foundry, docker, Kubernetes

Project Management: JIRA

Agile methodology.

- d. Involved in the design of backend services for smart risk and plot risk applications for computing the 1 million satellite images.
- e. Implemented architecture using AWS S3 for satellite image storage and event-triggering mechanism to analyze a new satellite image .
- f. Automated the business Reports fetching using AWS Athena where parquet files are stored in an S3 bucket.
- g. Improved test coverage and fixed bugs in various cycles of sprints.
- h. Mentored two Interns where I guided them to implement a coding platform for internal hiring.
- i. Given ad-hoc demos to various stakeholders and investors which helped in fundraising.

EY, Bangalore — Software Engineer

JUNE 2017 - FEBRUARY 2018

In this company, I worked with various business units to identify the use case and possible automation scenarios.

- a. Was engaged in providing automation solutions to clients and ensuring cost-effectiveness for their business delivery.
- b. Worked closely with software architects and consultants to develop a proof of concepts for possible automation use cases.
- c. Automated the report generation use cases for CXOs using python and other RPA tools.
- d. Participation in SCRUM meetings and planning the tasks through CTQ prioritization.

Infosys, Bangalore — Senior Systems Engineer

September 2014 - MAY 2017

In Infosys , Have been part of development teams for minor and major enhancements projects.

- a. Involved in coding the application whose tech stack is in JAVA and python.
- b. Involved in writing test cases and doing Quality analysis (QA)
- c. On-call with Clients for application support and maintenance issues.
- d. Involved in identifying the bugs and doing integration testing.
- e. Writing test scripts for automation testing.

AWARDS

Python Trainer for network engineers in JPMC.

AWS Certified Developer Associate.

Stackoverflow:

<https://stackoverflow.com/users/6204662/suhal-vemu>

Github:

<https://github.com/suhalvemu>

linkedIn:

<https://www.linkedin.com/in/suhalvemu/>

LANGUAGES

English, Telugu

EDUCATION

Bapatla Engineering College, Bapatla — Mechanical Engineering

JULY 2010 - APRIL 2014

Majors- Mechanical Engineering.