



MUHAMMED SACHU CP

PYTHON | AWS | DJANGO | FASTAPI

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PROFESSIONAL SUMMARY

Python Developer & AWS Engineer with a proven track record of 5 years, demonstrating expertise in the end-to-end development and implementation of applications. Possesses a diverse skill set encompassing analysis, design, and deployment within various domains. Proficient in establishing robust foundations and adhering to coding standards throughout the Software Development Life Cycle (SDLC). Skilled in Continuous Integration and Continuous Deployment using tools such as Git, Bamboo, and Docker. Adept at managing cloud services on AWS.

TECHNICAL SKILLS

Programming Languages: Python

Web Frameworks: Django, FastAPI, Flask, Scrappy

Cloud Technologies: AWS [Lambda, StateMachine, VPC, EC2, S3, CloudFormation, AWS Glue, CloudWatch, Traffic Mirroring, IAM, Transfer Family]

DevOps Tools: Bamboo, GitHub, Docker

Databases: MySQL, PostgreSQL, MongoDB, Elasticsearch, Firebird

Additional Technologies: Node-Red, Vectra AI, KongAPI, Azure Data Factory, Databricks

PROFESSIONAL EXPERIENCE

Dbiz.ai - Cochin Area

Jun 2022 – Present

Senior Software Engineer

Project: Telstra - [Security Engineering] - Sydney Area, Australia

- Automation of Cyber Security Products using microservices.
- Developed Backend Microservices using Python & FastApi.
- Handled entire product deployment & Security services in AWS.
- Auto provisioning of Cloud Cyber Security products like Vectra AI & Radware.
- Created IAAC for product deployment using CloudFormation.
- Worked on Kong API gateway to manage API requests between microservices.
- Used Bamboo for managing and automating release of the application.
- **Technologies:** Python, FastApi, AWS EC2, VPC, CloudFormation, TrafficMirroring, IAM

Project: Seven West Media - Sydney Area, Australia

- Integration of Architectures from Source to Destination.
- Implementations using Python AWS Lambda functions & state machines.
- Infrastructure (IAAC) implementations using AWS CloudFormation.
- Used Azure Devops for managing and automating release of the integrations.
- Used Cloudwatch for monitoring logs.
- **Technologies:** Python, AWS Lambda, SAM, CloudFormation, State Machine, S3, IAM, Cloudwatch, AWS Transfer Family

Associate Software Engineer**Project: EMR [Electronic Medical Record]**

- Backend development using Python, Django.
- Research and development for hospital requirements.
- Database Designing.
- External API integration for getting chemical compositions.
- Build ETL to read data from S3 and to load it into DynamoDB and AWS
- Build an additional pipeline as a backup strategy for raw data. This was built into AWS S3
- API validation using serializers provided by Django restful framework.
- Creating pipelines in AWS Glue using different activities like Move, Transform, Control Flow, Data Transformation etc.
- Elasticsearch implementation for searching with any data provided by the patient.
- Creating monthly/weekly patients history records using self-hosted runtime integration reports using Amazon Quicksight and AWS Glue.

Software Associates - Calicut Area**Jun 2019 – Jan 2020****Junior Software Developer****Project: Life & Diet**

- Worked as a full stack developer.
- Developed the entire backend using Python, Django.
- Handled the Front End development using Vue Js.
- Implementation to consume REST web services using JSON format.
- Creating an internal messaging system using Django channels.
- Actively involved in the sprint planning sessions.
- Frontend integration using Vue Js.
- Managing a team of 3 members.
- Involved in the server-side deployment.
- Technologies : Python, Django, DRF, Vue Js, PostgreSQL, Docker, Payment Gateway, JavaScript, GitHub, Python Pandas, Channels

EDUCATION**University of Calicut****Bachelor of Technology**

Computer Science & Engineering

2018
*Kerala***CERTIFICATIONS & ACHIEVEMENTS**

- Certified Python Developer
- Best Employee Quarterly award 2023
- Client appreciation for the project Telstra - Security Network Features
- Customer Appreciation for the project Seven West Media