

SANTHOSH REDDY BARLA

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SUMMARY:

I am a passionate software developer with more than 4 years of experience. I specialize in developing scalable web applications, have expertise in cloud technologies (Azure and AWS), and practice agile development and CI/CD. I have strong problem-solving abilities and can work independently or collaboratively as part of a team.

SKILLS:

- Python, JavaScript, HTML/CSS
- PostgreSQL, SQL Server, MySQL
- Azure, AWS, Git, Linux, Poetry, SQLAlchemy
- Flask, Django, Pytest, FastAPI, ReactJS

WORK EXPERIENCE:

Python Full Stack Developer

Triax Technologies (May 2023 - Sep 2023):

- Involved in multiple projects such as SpotR, ProxTrace and FST and responsible for fixing bugs and improving user experience.
- Helped modernize the Flask application to fastAPI and followed TDD.
- Have written and updated GitHub CICD pipelines for ProxTrace and FST

Python Software Developer

Roxiler Systems (Apr 2022 - Apr 2023):

- Worked as **Python** and **Node** developer using AWS cloud and created highly available and scalable microservices using AWS serverless services like **Lambda**, **API-Gateway**, **Cognito**, **SNS**, and **SQS**.
- Refactored the code and reduced the lambda timeouts by 95%.
- Developed a standalone service that uploads log files collected from a remote Linux server to **s3** using Python and developed a reporting service that produces results based on data in files available in **s3** and Elasticsearch.
- Implemented MFA and self-service password reset policy for IAM users, and enabled MFA delete for s3 buckets.
- Led junior developer to implement self-service password reset and user lock-out mechanism for wrong passwords.

Associate Systems Engineer

Tata Consultancy Services (Nov 2020 - Apr 2022):

- Worked as an **Azure Administrator** and **Python** developer and developed a monitoring tool using **Django** and **React** and implemented continuous integration and deployment for the project.
- Automated common infrastructure deployments using Azure deployment templates to perform consistent launch of services in a cloud environment.
- Managed user access, created and restored backups, updated 70% of the SQL servers to comply with security compliance and responsible for setting up data warehouses of size 4TB.

Associate Python Developer

Digitowork (Sep 2019 - Aug 2020):

- Developed a data profiling web application using **Python**, **Django**, **Pandas**, **NumPy** and successfully deployed it using **nginx** server on Amazon ec2.
- I have introduced the practices of agile methodologies like scrum into my project and followed rigorously.
- I have designed and configured the AWS infrastructure required for Digitowork and Task-Management web applications.

INTERNSHIP:

- Face recognition and its movement analysis (**Python**)
I interned at CoArtha Techno solutions where I created an app to analyze whether the person's face is present in a video, eye pupil movement, head and lip movement using **PIL library**, **OpenCV** and **face-recognition** module.

EDUCATION:

University College of Engineering (A) - Osmania University
Bachelor of Engineering in Mechanical Engineering

Sept 2014 - May 2018
GPA - 7.03

CERTIFICATIONS:

- Azure Certifications - Az - 900(Azure Fundamentals), Az - 104(Azure administrator).
- AWS Certifications - DVA-C01(AWS Developer - Associate)