

Premkumar Nunna

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Objective:-

A seasoned Full-Stack Developer(Python) with 3 years of experience in software development and cloud solutions. I am driven to create scalable, innovative software solutions that address real-world challenges and optimize workflow efficiency. My goal is to contribute my expertise to propel my company's growth and industry leadership by delivering high-quality, cutting-edge solutions.

Experience:-

Sr Software Developer | 2022(Nov) – Present (*Cloudearl Sol PVT Ltd*)

As a Sr. Software Developer, I expertly orchestrated and managed multiple applications in Kubernetes, optimizing deployment and scaling using Helm for efficient package management. I Dockerized various applications, ensuring portability and scalability, and maintained custom Helm repositories for seamless deployment. In AWS Cloud Infrastructure Management, I implemented scalable infrastructure with Ansible and Terraform, leveraging services like EC2, S3, and RDS, and utilized AWS for CI/CD deployments using Jenkins. For monitoring and logging, I integrated ELK Stack and Prometheus with Grafana within Kubernetes, enabling proactive issue identification and robust monitoring.

Jr Software Developer | 2021(Mar) – 2022(Oct) (*Cloudearl Sol PVT Ltd*)

As a Jr. Developer, I collaborated with a team of developers to build robust web applications using Django and React.js, ensuring high-quality code and adherence to best practices. I developed and maintained the back-end using Django, implemented models, views, and APIs, and created responsive user interfaces using React.js, HTML, CSS, and JavaScript. Utilizing Git for version controlling, I actively participated in code reviews, conducted pair programming, and provided support to maintain code quality and improve overall application performance. Additionally, I engaged in Agile development methodologies, participating in sprint planning, daily stand-ups, and retrospectives to ensure effective project management and timely delivery.

Projects:-

Cloud Cost Optimizer | React, Django RESTApi (SaaS product)

In the Cloud Cost Optimizer project, I took charge of developing the RESTful API using Django, serving as the core backend infrastructure for our SaaS product. Collaborating closely with the frontend team, I ensured smooth integration with React and efficient data communication between frontend and backend components. With a team size of 7 members, I played a pivotal role in optimizing response times, enhancing overall application performance. The project commenced in 2021 and lasted approximately 1.5 years.

Cloud Cost Analyzer | React, Django RESTApi (SaaS product)

Transitioning to the Cloud Cost Analyzer project in Jan 2023, I led the backend architecture for scraping and storing billing data from various cloud platforms. My responsibilities included designing Python scripts for data collection and PostgreSQL integration for efficient data storage and retrieval. Collaborating with the frontend team, we created intuitive interfaces displaying billing information

through interactive graphs. Despite the challenges, our team of 7 successfully delivered a robust solution for analyzing cloud expenditures.

In addition to the major projects, I've undertaken various proof of concept endeavors, including developing a Python-based report generation tool. This tool facilitated customer data entry and automated the creation of PDF reports and invoices. Furthermore, I've delved into cloud-related projects, leveraging Terraform, Jenkins, and Ansible for infrastructure provisioning and automation, showcasing a diverse and robust portfolio of skills and experiences.

Education:-

Master of Computer Science in Big Data Analytics

Central University of Rajasthan, Ajmer | July 2021 | CGPA-7.22

- Successfully completed numerous projects in machine learning and software development.
- Actively participated in national seminars and workshops on the practical applications of technology for the betterment of society.

Bachelor of Science in Mathematics, Physics, and Computer Science (Honors in Computer Science)

Silver Jubilee Govt Degree college, Kurnool | March 2019 | CGPA-7.5

- Developed web-based software projects that included database functionalities, utilizing technologies such as HTML, CSS, and JavaScript.
- Engaged in co-curricular and extracurricular activities, including workshops and hands-on training in IoT (Internet of Things).
- Achieved "B" certificate in NCC (National Cadet Corps) and actively participated in South Zone Inter-University Basketball competitions.

Technical Proficiencies:-

Programming Languages: Advanced Python (OOPS), JavaScript, Java, C

Backend Development: Django, Django RESTApi, Flask, FASTApi

Frontend Development: React, HTML, CSS, Bootstrap

Databases: PostgreSQL, MySQL

Version Control: Git, GitLab

CI/CD: Jenkins, GitLab CI/CD

Containerization: Docker, Kubernetes

Cloud Platforms: AWS, Google Cloud Platform (GCP), Azure

Infrastructure Tools: Terraform, Ansible

Monitoring Tools: Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana)

Project Management and Collaboration Tools: Jira, Slack, Confluence, Zoom

Presentation Tools: Microsoft PowerPoint

Interests:-

Professional Interests

- DevOps, Cloud Security.
- Artificial Intelligence and Machine Learning.
- Web and Software Development.

Personal Interests

- Skating.
- Playing Outdoor Games (Badminton, Basket Ball).
- Web surfing, Reading Books.

Contact & Links:-

LinkedIn: <https://www.linkedin.com/in/premkumar-n>

GitHub: <https://github.com/premkumar0>

Portfolio Website: <https://premkumar0.github.io>