VEDANT DWIVEDI

Engineering Manager-AI | DevSecOps

Experienced Engineering Manager with 8 years specializing in DevSecOps methodologies. Directed a team of 14 engineers in the development of robust monolithic and microservice-based web and mobile applications, culminating in $6.2M in sales revenue. Eager to leverage advanced AI skills to accelerate market entry and optimize digital platforms. Committed to fostering a collaborative engineering culture to drive innovation and deliver exceptional results.

Contact

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Github

Linkedin

Blog

Certification

- DevOps
- Gen AI
- Python
- AI & LLMOps
- AWS, Azure, GCP

Expertise

- DevSecOps | AI-Ops | LLMOps
- Team Leading & Management
- Agile and Scrum
- Cloud | Edge | Server Computing
- CI/CD pipelines
- Project Management

Education

2016
B.E (Bachelor OF Engineering)
RGPV

2008
Enter Your Degree
University/College

Experience

2022 - 2024
Jio Platform Ltd | Navi-Mumbai

Engineering Manager

- As Engineering Manager, led a team of Engineers and Business analyst in developing an observability platform on Kubernetes, integrating Loki, Grafana, and Prometheus.
- Engineered solutions and onboarded all internal applications, providing each project owner with tailored dashboards and real-time alerts for issue detection and resolution.
- Directed technical implementation, customized dashboards, and optimized performance. Enhanced operational efficiency and resilience in monitoring digital ecosystem.

Python, Azure DevSecOps, Fast API, Docker, Kubernetes, LOKI, Grafana, Prometheus.

2020 - 2022
JIo Digital | Navi-Mumbai

Manager

- Developed and deployed python-based Machine Learning models of Identity verification and resume parser and 10 other services into production environments using Azure DevOps
- Migrated the Flask API models to FAST API, build Docker Images and orchestrated the same in Kubernetes environment, using CI/CD pipelines
- Implemented Developing and deploying container as a service model which in turn helped us make testing automation server, which can be used for performance testing and all other types of testing.

Azure DevOps, Python, GIT, Docker, Kubernetes, Fast Api,SonarQube,APi Gateway,Nginx

2018 - 2020
Jio Platform Ltd | Navi-Mumbai

Team Lead

- As team Lead, Organised PI-Planning, Sprints and took the features to the production,, contributed in developing and deploying machine learning models into production system.
- Developed I-smart application. also build secure CI/CD in Azure DevOps for all tech stack including java, Springboot, Node, .Net, PHP and Python Applictaions.
- Build CI/CD from scratch in open source stack and comapred with Azure Devops for all the features

Python, Azure DevSecOps, Fast API, Docker, Kubernetes, jenkins, Git, Ansible.

2017 - 2018
Jio Platform Ltd | Navi-Mumbai

DevOps Engineer, COE

As DevOps Engineer, led a team of Engineers and Business analyst in developing an observability platform on Kubernetes, integrating Loki, Grafana, and Prometheus. Engineered solution onboarded all internal applications, providing each project owner with tailored dashboards and real-time alerts for issue detection and resolution. Directed technical implementation, customized dashboards, and optimized performance. Enhanced operational efficiency and resilience in monitoring digital ecosystem.

Python, Azure DevSecOps, Fast API, Docker, Kubernetes, LOKI, Grafana, Prometheus.

Key Skills and Competencies

• Extensive experience with Python, Golang, Azure DevOps, CI/CD, Automated testing, FAST Api, Flask, Streamlit, Docker, Kubernetes MySql , MongoDB,Jenkins,GIT,SonarQube,Fortify.
• Build and deploy machine learning models in production environment using docker and K8's.
• Experience with RESTful API and micro-service architectures, container orchestration and functional programming
• Ability to design and implement complex CI/CD pipelines for backend and frontend applications
• Experience with Agile, Scrum methodologies for project development.
• CI/CD Stack like Azure DevOps, Jenkins, GIT, Gitlab, Git runner, SonarQube, Fortify, Kubernetes, Ansible etc...
• Created forecasting and predictive models using python, sci-kit learn, TensorFlow and visualizing them using Streamlit, Dash, Matplotlib etc..
• Knowledge of integrating monitoring, logging and tracing software like EFK/ELK, Prometheus and grafana

Roles & Respolsibilities

• Functioning as SME; working closely with business teams to provide value addition and also to leverage new business engagements for JIO Platform.
• Gathering the requirements directly from the clients for new applications to be created for operational growth and implement the same in projects.
• Creating conference training sessions for spontaneous Leadership Members in Distribution Channel.
• Provide important Business Insights & Product Recommendations to the Distribution Channel group members.
• Possessing valuable insights, keen analysis and team approach to implement best practices to achieve business excellence.
• Co-ordinate with various cross-functional teams to standardize business processes and provide support for addressing any concerns of the clients. These duties are performed for several applications with the Distribution Channel domain of Cisco Systems, Inc.
• Ensuring proper quality gates and implement
• Performing testing of the enhancements suggested along with their impact analysis.
• Proper documentation in place for every impact analysis/testing done.
• Analysis of requirements for new project and impact analysis.
• Preparation of High Level & Low-Level Design documents.
• Development of code as per the business requirements
• Determining key sub business entities influencing security business
• Writing custom Python modules as per the requirement
• Unit testing and system integration testing of the developed code.

Languages	Python, Golang(Ci/CD), R, Bash,
AI & ML	Numpy, Pandas, Scikit Learn, Tensorflow, Pytorch, LLM, Huggingface
DevSecOps	Docker, Git, GitLab Runner, Azure DevOps, Kubernetes, Sonarqube, Fortify, Blackduck, Nexus Repo, Ansible
Cloud	AWS, Azure Cloud, Firebase, Heroku, Python Anywhere, GCP.
Database	SQLite, MySQL, MongoDB, Hadoop, MSSql, Redis.
Packages:	PyMongo, Pandas, Pytorch, Numpy, Express, mysql-connector, gcp
Other	Jenkins, Jira, Gitlab, Git, CMake, Gradle, Tomcat, Bit bucket, Streamlit, Grafana,, Prometheus, Loki