

# Vishal Mohan Puri

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## Summary

Cloud Engineer with 3+ years of experience in delivering scalable cloud solutions on AWS, GCP, and Azure. Spearheaded the deployment of 15+ microservices, reducing system latency by 40%, and automated infrastructure provisioning using Terraform, cutting deployment time by 30%.

## Experience

### SOFTWARE DEVELOPER | AMOTIONS INC.

JUNE 2025 – PRESENT

- Developed robust front-end solutions using **Python, TypeScript, NextJs**, and **ReactJs**, focusing on enhancing user experience while ensuring code maintainability and scalability.
- Leveraged **OpenAI API**, to develop applications with **Natural Language Processing** and **Machine Learning** functionalities.
- Led comprehensive testing and debugging procedures to seamlessly integrate TypeScript, Next.js, and React.js components with the OpenAI API, validating prompt engineering strategies and delivering top-tier software solutions.
- Orchestrated rigorous **regression testing** protocols, including unit, integration, and end-to-end testing, throughout development and production phases to ensure build stability and reliability.
- Developed a personalized video recommendation system using **Large Language Models (LLM)** to analyze video content and match it with user queries and chat interactions via prompts, focused on leadership principles and coaching.

**KEYWORDS** : Python, TypeScript, NextJs, and ReactJs, OpenAI API, JSON, Regression testing, Large Language Models

### SOFTWARE DEVELOPER | ACCENTURE PVT LTD

FEB 2022 – JUL 2023

- Designed and implemented cloud-native solutions on **AWS (EC2, EKS, Lambda, S3)** using Terraform and Python, cutting infrastructure deployment cycles by 40% while ensuring compliance with security and scalability standards.
- Built CI/CD pipelines for enterprise-grade **microservices** using **Jenkins** and **AWS Code Pipeline**, enabling seamless deployment of 200+ daily builds across global regions.
- Developed real-time monitoring systems (**CloudWatch, Prometheus, Grafana**) to track 10,000+ metrics, reducing incident response time by 30% through proactive anomaly detection.
- Secured multi-cloud environments by implementing **IAM policies, VPC peering**, and automated vulnerability scans, achieving 100% compliance with SOC 2 and ISO 27001 audits.
- Partnered with SRE teams to design disaster recovery strategies, including multi-region failover and automated rollbacks, ensuring 99.99% uptime for mission-critical systems.
- Administered day-to-day support for AWS environments, focusing on troubleshooting, performance tuning, **security** management, and implementing **CloudWatch** monitoring and alerting solutions.

**KEYWORDS** : S3 Services, AWS IAM, Jenkins, CLI, Java, Ruby, Shell, JSON, CloudWatch, CloudTrail, VPC, ORR, CI/CD.

### ASSOCIATE SOFTWARE DEVELOPER | GLOBALSTEP PVT LTD

JUL 2020 – FEB 2022

- Automated insurance letter generation by integrating data extraction from **Maven project files** with **Spring Boot**, reducing manual effort by 40% and improving document accuracy, which led to a 20% increase in client retention.
- Spearheaded **agile web application** development, reducing time-to-market by 40% through effective use of **JavaScript** and **React**, while also creating detailed recruit runbooks that halved onboarding time.
- Leveraged **Dynatrace** for application monitoring and managed incidents via **ServiceNow**, cutting issue detection time by 30% and improving response time by 50%, while ensuring SLA compliance.
- Developed and deployed APIs using **Google Cloud Functions** for seamless integration between services, enabling automation of data processing workflows and reducing manual intervention by 40%.
- Led a cross-functional team in creating **microservices** architecture using **Cloud Spanner** and **Kubernetes**, enabling high availability and fault tolerance for critical applications.

**KEYWORDS** : Maven, JavaScript, React, Agile, Dynatrace, Google Cloud Functions, Cloud Spanner, Kubernetes.

## TEACHING ASSISTANT | PUNE UNIVERSITY

SEP 2019 – MAY 2020

- Guided students in building scalable cloud architectures on AWS, including automated provisioning of resources using **Terraform** and **CloudFormation**.
- Delivered practical demonstrations on **AWS services (S3, EC2, Lambda, RDS)** and **GCP** to support students' comprehension of **cloud architecture**, security, and data management.
- Assisted in the delivery of **cloud computing** and big data curriculum, ensuring smooth lab sessions and hands-on assignments for 50+ students, fostering understanding of cloud service models, storage solutions, and data processing frameworks.

**KEYWORDS** : Terraform, CloudFormation, Microservices, AWS Services, S3, EC2, Lambda, RDS, GCP, Cloud Computing.

## Technical Skills

- **Languages:** Python, Java, C++, HTML/CSS, JavaScript, SQL
- **Frameworks:** Spring MVC, Spring Boot, Microservices, Spring Security
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap, jQuery, JSON, XML
- **Tools:** Docker, Kubernetes (K8s), Terraform, Jenkins, Istio, ArgoCD, Ansible, Datadog, Git, GitHub, Jira, ServiceNow, Okta, Maven, Apache Airflow
- **Cloud Platforms:** Azure, GCP, AWS (EKS, ECS, ELB, ECR, S3, EC2, CloudFront, API Gateway, RDS, Lambda, Route53, VPC, CloudWatch, SNS, SQS, IAM)

## Education

**MASTER OF SCIENCE IN COMPUTER SCIENCE | UNIVERSITY OF TEXAS, UNITED STATES**

**MAY 2025**

**BACHELOR OF ENGINEERING IN COMPUTER SCIENCE | PUNE UNIVERSITY, INDIA**

**MAY 2021**

## Projects

**CLOUD WEB APP DEVOPS (GCP APIS (MACHINE IMAGES, CLOUD SQL, CLOUD STORAGE), MAILGUN, NAMECHEAP)**

- Developed a cloud-native user management service using **NodeJS**, integrating **cloud SQL(Postgres)** for efficient data management, & leveraging Pub/Sub with cloud functions for user's email verification.
- Enhanced application scalability & reliability by implementing MIG, Autoscaler, and **Load Balancer** to achieve 99% uptime.
- Secured server infrastructure using cloud **VPC, DNS & firewalls**, alongside implementing IAM policies to enhance access control, while employing **Terraform** for resource deployment on GCP.
- Automated CI/CD process using **GitHub Actions**, boosting development time by 90% with custom machine image built via packer.

**WEBCHATGPT - AI-POWERED CHATBOT**

- Architected AI chatbot application using **React.js**, **Node.js**, and **Express.js**, linking OpenAI's API for immediate assistance, earning recognition as the most innovative project by team leadership.
- Bolstered data protection measures by utilizing **JWT-based authentication**, adhering to **OWASP security** best practices and achieving compliance with industry standards within the first quarter of implementation.
- Optimized API request **handling with caching and rate limiting**, improving performance and minimizing **OpenAI API** costs.
- Automated **the deployment process to Heroku** using Docker, improving application scalability and guaranteeing consistent performance under varying load conditions.

**MORE : Chef-Mate ( Android Application – Kotlin , Firebase ) , Market Trend Analysis ( WebApp - Python, TensorFlow, LSTM )**

## Certifications

- **AWS Certified Developer – Associate**
- **AWS Cloud Practitioner Essentials**
- **Microsoft Certified: Azure Fundamentals**
- **Python Basic Certification**