Vishal Mohan Puri

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Education

MASTER OF SCIENCE IN COMPUTER SCIENCE | UNIVERSITY OF TEXAS AT ARLINGTON   AUG 2023 - MAY 2025
BACHELOR OF ENGINEERING IN COMPUTER SCIENCE | PUNE UNIVERSITY   AUG 2017 - MAY 2021

Experience

SOFTWARE DEVELOPER | ACCENTURE PVT LTD   FEB 2022 – JUL 2023

- Constructed 10+ robust serverless functions via **AWS Lambda** that streamlined routine tasks such as report generation and data backup, leading to a 25% reduction in manual processing time.
- Spearheaded the design and execution of backup and disaster recovery **(DR) plans** using **Terraform** and AWS services, decreasing recovery time objective (RTO) by 60 minutes.
- Deployed containerized apps on **AWS EKS,** set up **CI/CD with Jenkins**, and automated workflows using **Ansible**, reducing deployment time by 35%.
- Administered day-to-day support for AWS environments, focusing on troubleshooting, performance tuning, **security** management, and implementing **CloudWatch** monitoring and alerting solutions.
- Implemented **Docker snapshots** and streamlined container management, improving deployment speed by 30% and boosting scalability.

SOFTWARE DEVELOPER ASSOCIATE | GLOBALSTEP PVT LTD   MAR 2021 – 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.

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)

Projects

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**