ROHIT VEMPARALA

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EDUCATION

Boston University| Boston, MA
Master of Science   Dec 2024
Computer Science with Spec. in Data-Centric Computing (GPA - 3.43)

Vellore Institute of Technology| Vellore, India
Bachelor of Technology   Jan 2016 - Dec 2020
Computer Science and Engineering (GPA - 8.65)

PROFESSIONAL EXPERIENCE

Protium| Bangalore, India   Jan 2022 - Aug 2023
Senior Devops Engineer - Associate Vice President
- Authored several executable binaries (Golang) for various use-cases, wrote elasticsearch-backed application handling data ingestion, transformation and cutting down retrieval of millions of records to milliseconds
- Deployed and maintained company's critical kubernetes service clusters - upgrade engine version ensuring compatibility and minimal downtime, deploy new services written across multiple stacks and frameworks
- Achieved major cost savings in infrastructure of around 10000$ monthly across multiple accounts
- Built and maintained cloud infrastructure - especially being responsible for setting up infrastructure for customer facing stack used for client demos and meetings - manually and via IAC - Terraform, AWS CDK and AWS SAM
- Managed organization's critical logging infrastructure for applications with terabytes of data across multiple frameworks and dependencies with strict SLA requirements
- Architected organization's batch-job running strategy utilizing EMR, ECS Fargate, Apache Airflow resulting in significant speedup in pushing out new features
- Addressed various security-related items - automated server patching, scanning and fixing findings from compliance frameworks (CIS 1.4, AWS Foundational Security etc.) - critical for organization's partnership with others

Publicis Sapient| Bangalore, India   Jul 2020 - Dec 2021
Associate Software Development Engineer 1
- Developed features for business activity monitoring system at Goldman Sachs (Transaction Banking) - processing millions of events with extremely strict requirements - leveraging Spring and Spring Webflux, Apache Kafka and Apache Flink, Aurora DB
- Implemented reporting and alerting functionality tracking millions of events, alerting for potential failures in various components Kafka consumers - leveraging Datadog monitors and Pagerduty along with custom Terraform modules

Publicis Sapient| Gurgaon, Haryana   Jan 2020 - Jul 2020
Trainee Engineer - Internship
- Developed online marketplace website leveraging Hybris as part of engineering team at Bunnings Warehouse, Australia

SIMAI Management Consulting And Analytics| Bangalore, Karnataka   May 2019 - Jul 2019
Web Application Developer - Internship
- Created application with role-based granular access control, PostgreSQL backed storage with server-side processing and rendering of analytical graphs with Flask

CERTIFICATIONS

- Microsoft Certified - Azure Fundamentals Certification
- Parallelizing Image Encryption Algorithm for Wireless Sensor Networks - 2021 6th International Conference for Convergence in Technology (I2CT)

SKILLS

- DevOps - Kubernetes, Ansible, Jenkins, AWS CDK, Helm Charts, Terraform, CI/CD, Docker, Datadog, ELK stack
- Languages - Golang, Java, Javascript, Python
- Frameworks - SpringBoot, Spring WebFlux, React, Flask, Apache Flink, Apache Kafka
- Cloud - Amazon Web Services (AWS), Microsoft Azure
- Database - PostgreSQL (Amazon Aurora), MySQL, MongoDB