

RUPESH VANNELDAS

Cloud · Cybersecurity · Full-Stack Engineering
Toronto, ON, Canada

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[Portfolio](#)

PROFESSIONAL EXPERIENCE

ORRIZONTE TECHNOLOGIES PVT. LTD | Software Developer Apr 2024 - Aug 2024 | Mumbai, India

- Built and enhanced full-stack features using React, TypeScript, Node.js, and PostgreSQL in a cloud-hosted environment.
- Improved application performance and workflow efficiency by ~20%, through optimized state management and frontend architecture using Redux.
- Designed and implemented CI/CD pipelines using GitHub Actions, reducing deployment effort and improving release consistency by ~40%.
- Integrated AWS CloudWatch, S3, and CloudFront to strengthen monitoring, storage reliability, and content delivery by ~30%.
- Collaborated with cross-functional teams to translate requirements into production-ready solutions.

AIEZE VERTEX PVT. LTD | Software Developer Aug 2023 - Mar 2024 | Mumbai, India

- Supported migration of multi-tier application to AWS, focusing on scalability, security & cost efficiency.
- Developed REST APIs and interactive UIs using React, Redux, Node.js, and MongoDB, increasing user engagement by ~25%.
- Developed robust input validation and error handling mechanisms using Formik and Redux.
- Automated build and deployment workflows using GitHub Actions.

PROJECTS

IOT SECURITY MONITORING [GitHub](#) | [Notion](#)
Built an end-to-end IoT security monitoring platform using AWS, Terraform, Ansible, Suricata IDS, and the ELK Stack to detect and analyze malicious MQTT traffic.

FRAUD DETECTION [GitHub](#)
Developed a supervised credit card fraud detection ML system using Python, SQL, Pandas, and Scikit-learn with risk-focused model evaluation on imbalanced data.

HEALTHSYNC [GitHub](#) | [Demo](#)
As a team leader, designed and deployed a cloud-hosted doctor appointment booking system using Azure, MongoDB, Express, React, Node.js, Docker, Terraform, Ansible, and GitHub Actions.

2-TIER WEB APP [GitHub](#)
Deployed a containerized Flask and MySQL application on Amazon EKS using Docker, Kubernetes, AWS ECR, Terraform, and CI/CD pipelines.

REAL-TIME DATA PIPELINE [Demo](#)
Implemented a real-time data processing pipeline using AWS Kinesis, Lambda, DynamoDB, and CloudWatch for event-driven ingestion and monitoring.

TECHNICAL SKILLS

Python, JavaScript, TypeScript, SQL, Bash, React, Redux, Node.js, Flask, REST APIs, PostgreSQL, MySQL, MongoDB, AWS, Azure, Docker, Kubernetes, Terraform, GitHub Actions, CI/CD, Suricata IDS, ELK Stack.

EDUCATION

P.G. IN CYBERSECURITY & THREAT MANAGEMENT | CGPA: 4/4 Sept 2025 - Present | Toronto, ON
P.G. IN CLOUD ARCHITECTURE AND ADMINISTRATION | CGPA: 3.9/4 Sept 2024 - Apr 2025 | Toronto, ON
BACHELOR'S IN INFORMATION TECHNOLOGY | CGPA: 7.8/10 Aug 2019 - May 2023 | Mumbai, IN

AWARDS

- [AWS Cloud Practitioner](#)
- [Fall 2025 President's Honour List](#)

SOCIALS

- [GitHub](#)
- [LinkedIn](#)