

RISHI VARMAN R T

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SUMMARY

Results-driven and adaptable **software engineer** with **3+ years of experience** across **telecom and SaaS**. Skilled in designing and developing web/cloud-based applications aligned with business goals, using **AWS/GCP**. Proficient in Agile, OOPS, SOLID, DSA, and design patterns, with hands-on ML/AI integration. **Open work permit holder.**

TECHNICAL SKILLS

Frontend Development	: React.js, Vue.js, JavaScript, TypeScript, HTML, XML, CSS
Backend Development	: Node.js, Spring Boot (Java), Nuxt.js, Flask (Python), Gin (Go)
DBMS	: MySQL, MongoDB, Firebase, DynamoDB (AWS)
DevOps	: Git, Jenkins, Docker, Kubernetes, Ansible, CloudFormation
Other	: Kafka, Elasticsearch, ActiveMQ, Airflow, Linux, Grafana, Datadog, ConfigCat
Certifications	: AWS SAA-03 , Microsoft Azure Fundamentals , GCP Fundamentals , Machine Learning

PROFESSIONAL EXPERIENCE

Full Stack Developer (Contract) | **Redbrick Technologies, Victoria, BC** January 2025 – August 2025

- Migrated **legacy feature flags** to **ConfigCat** and integrated the client SDK on the Shift Browser's landing page, **optimizing ad performance for 30,000+ active users** and documenting the work in Confluence.
- Created end-to-end unit tests with **Playwright and Vitest**, improving code coverage by 20%.
- Enhanced the platforms **search API** by implementing multiple filtering options, improving user experience and query accuracy.
- Built **CI/CD pipelines** for ad deployment using Python, **AWS CodePipeline** and GitHub Actions, streamlining workflows.
- **Stack:** Vue JS, Nuxt JS, React.js, TypeScript, Python, ConfigCat, Vitest, Playwright, AWS, GitHub Actions.

Software Engineer | **Aeris Communications (Ericsson), India** March 2023 – December 2023

- Led the **migration of CDR billing systems** from Oracle BRM to Google Cloud Platform (GCP), achieving 22.4% cost savings by using BigQuery for efficient **data processing and warehousing**.
- Streamlined and **managed ETL workflows** using Apache **Airflow**, ensuring smooth **data migration** and seamless system integration with minimal downtime.
- Developed and executed **CRON jobs to automate billing processes**, successfully completing every stage of the billing modules: filtering, rating, and report generation for three CDR billing schemes (PAYG, PBR, ADR).
- **Stack:** Python, Spring Boot, Airflow, Big Query, SQL, GCP, Cloud functions.

Software Engineer | **Ericsson, India** February 2022 – March 2023

- Designed, developed, tested, and delivered end-to-end features in the **Subscription Inventory module**, including usage tracking, and audit logging in **Ericsson's IOT-Accelerator**, a cloud-based connectivity platform for diverse sectors.
- Worked on the Implementation of **Location Based Service (LBS) API** - An API which focuses on charging the enterprises based on their API usage, which resulted in a 5.67 % revenue increase.
- Handled the **Sub System Responsibility (SSR)** for **ActiveMQ**, a message storing queue machine for the IOTA project, ensuring reliable performance by monitoring metrics through Grafana dashboard and troubleshooting issues or bugs.
- **Stack:** Java, Spring Boot, JUnit, Docker, Kafka, AMQ, Ansible, Linux, MongoDB, Grafana, Prometheus.

EDUCATION

Master of Applied Computer Science, **Dalhousie University**, Halifax, NS, Canada [CGPA: 4.08/4.30] January 2024 – May 2025

ACADEMIC PROJECTS

TripmateAI (Vue.js, Node.js, EC2, VPC, Docker, DynamoDB, ASG, Lambda, S3, Cognito, Vertex AI, CloudFormation) ([Link](#)).

- An **AI powered travel planner** generating personalized itineraries, deployed on **AWS** following the Well-Architected pillars.

Contextual Knowledge Search Platform (React.js, Flask, Cohere, Lang Chain, MongoDB) ([Link](#))

- A secure on-prem **LLM** information retrieval system using **Cohere-LLM model** with **Chroma vector DB**.

PUBLICATIONS

Virtual Lab Assistant ([Link](#)), A Live coding and interview platform

- Integrated face verification (MTCNN, FaceNet) and phone detection (Faster RCNN) via webcam for secure sessions.