




# RAJAN CHAVADA

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## EDUCATION

**Western University** **London, ON**  
*B.Sc. Computer Science, GPA: 3.7/4.0* *Sept 2022 – May 2027*  
**Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Databases (SQL/Relational), Software Design, Distributed Systems, Machine Learning, Software Testing | **Deans Honor List (2022 - 2025)**

## PROFESSIONAL EXPERIENCE

**Cloud Technical Advisor I** **Toronto, ON**  
*Intact Insurance* *Sept 2025 – Present*

- Automated provisioning & maintenance of **AWS infra (IAM, EC2, S3, ELB)** with **Terraform**, cutting manual effort by **40%**.
- Collaborate with **10+ cross-functional teams** to assess cloud requirements and deliver tailored infrastructure, ensuring secure deployments.
- Support **OCP on ROSA** operations by monitoring, patching, & optimizing OCP clusters, improved system uptime and resource utilization.
- Automated repetitive provisioning and maintenance tasks with **Terraform IaC**, accelerating delivery timelines and reducing error rates.

**Quantitative Software/AI Engineer** **Toronto, ON**  
*Royal Bank of Canada | Amplify* *May 2025 – Aug 2025*

- Engineered patent-pending **multi-agent pipelines** with **LangChain/LangGraph**, improving front-office research efficiency by **30%**.
- Delivered dynamic natural language to **ECharts** feature for **RBC Aiden**, adopted by **18,000+ traders** to visualize market insights in real time.
- Configured an in-house **CI/CD** pipeline (OCP, Docker), writing YAML files to deploy the application into secure production environments.
- Collaborated with product and trading teams in **design thinking workshops**, enabling **\$250M projected client revenue**.

**Full-Stack Software Engineer Intern (Client Services)** **Toronto, ON**  
*Royal Bank of Canada | Capital Markets* *May 2024 – Aug 2024*

- Led development of **25+ production client-facing applications**, collaborating with business stakeholders to ensure regulatory and user needs.
- Utilized **DOM refactoring**, **lazy loading**, and JS bundle reduction to reduce application latency times by **10%**, driving client retention.
- Built **30+ reusable Node.js components** across client-facing systems, accelerating developer velocity and reducing maintenance overhead.
- Automated deployments via in-house **CI/CD on ROSA and Jenkins**, reducing manual errors and ensuring seamless production rollouts.

**Full-Stack Software Engineer Intern (Trading & Execution Services)** **Toronto, ON**  
*Royal Bank of Canada | Capital Markets* *May 2023 – Aug 2023*

- Created a full-stack automation system for **JIRA CVE's**, eliminating repetitive workflows and reducing team overhead by **35%**.
- Deployed a **Flask + React.js app** integrated with **Jenkin's** based CI/CD pipelines, ensuring continuous uptime for internal trading services.
- Automated vulnerability tracking by linking **RBC Security DB** with **Atlassian JIRA REST API**, accelerating patch turnaround by **40%**.
- Scheduled daily **CRON jobs** with internal **SSO-based automation** to reduce developer overhead by **5–7 hours/week**.

## PROJECTS

**Local Restaurant Exploration App** | (*Mobile Development, React Native, FastAPI, Google Cloud Platform*) | *github repo* *SEPT 2025 – PRESENT*

- Designed and deployed a React Native iOS application streamlining restaurant discovery by integrating location-based search, reducing decision-making friction among groups.
- Integrated Google Cloud's Places API to dynamically fetch and filter restaurants using geospatial queries, supporting dietary and cuisine-specific filters.
- Drove adoption with 5+ active users in Alpha, validating product-market fit and collecting feedback for feature expansion.

**Chill Bill – Gen Z Financial Literacy Platform** | (*React, TypeScript, Cloudflare Workers, Llama 2, Plaid API, Auth0*) *GitHub Repo* *( 60 hours) FEB 2024*

- Designed a financial wellness platform for Gen Z, merging **budgeting + mental health support**, reaching a pilot audience of **250+ students**.
- Built **Cloudflare Worker-based backend** with SQL testing and Plaid API integration for real-time transaction sync, handling **~5k+** daily financial records.
- Implemented **sentiment analysis (Llama 2)** on user mood check-ins, achieving **85%+ classification accuracy** and enabling personalized financial tips.
- Created gamified progress tracking (badges, streaks, community challenges), increasing engagement by **40%** during pilot testing.
- Deployed on **Cloudflare hosting**, ensuring sub-100ms response latency for core queries; secured authentication with **Auth0**.

## SKILLS & OTHER

**Languages:** Python (advanced), C++, Java, JavaScript (React.js, Node.js, Vue.js), SQL, Bash/Linux (working) CUDA, C, Go, Ansible, CAD  
**Systems & Tools:** Linux/Unix, Git, Docker, Kubernetes, CI/CD, AWS (EC2, Lambda, S3, Redis), GCP (BigQuery, Compute Engine, Vertex AI), FastAPI, Flask  
**Concepts & ML:** OOP, TDD, Design Patterns, Agile/Scrum, Distributed Systems, TensorFlow, Scikit-learn, Pandas, NumPy, Model Evaluation, Open Source  
**Certifications:** AWS CCP – Amazon Web Services | ID: AWS04546214 | August 2024