

Aarsh Patel

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in aarsh-patel

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📁 Experience

Veeva Systems

Aug 2023 – Present

Software Engineer (promoted within first year) | Java, React

Toronto, ON

- Build full-stack features on the Veeva Vault platform that power global post-market surveillance for MedTech complaint intake/triage, regulatory reporting, and alignment with international health authority requirements
- Designed end-to-end adverse event submission workflows to government agencies with configurable lifecycle states, role-based permissions, approval gates, and audit trails for high traceability
- Shipped production UI and API changes across Java/React, partnering with product, QA, and regulatory SMEs to reduce manual handoffs and improve reporting timeliness and data quality for customers

BitGo

Sep 2022 – Dec 2022

Software Engineer Intern | React, Solidity, TypeScript, Webpack

Palo Alto, CA

- Developed the Harbor crypto wallet for transacting assets from EVM and Solana chains, and storing NFTs
- Implemented transaction history service allowing users to view their transaction details on the blockchain
- Created cross-platform (web + mobile) UI library achieving better performance and reducing development time

Amazon

May 2022 – Aug 2022

Software Engineer Intern | AWS (CDK, Kinesis, Lambda, Elasticsearch, S3, SQS)

Toronto, ON

- Developed a service that operates at scale and ingests over **24,000 log events per minute** from several APIs and transforms, stores, and aggregates logs in a searchable Elasticsearch cluster with **latency under 15 seconds**
- Implemented a real-time fault detection system that analyzes incoming logs; upon detecting a fault, the system autonomously retrieves additional application logs to facilitate issue resolution
- Automated the deployment process through CI/CD pipelines and integrating cloud services through Infrastructure as Code (IaC), creating a secure and reusable infrastructure for deployment across multiple cloud accounts

Tatari

Sep 2021 – Dec 2021

Software Engineer Intern | Airflow, Flask, GraphQL, PostgreSQL, Redshift

San Francisco, CA

- Eliminated downtime and security vulnerabilities by automating dynamic report generation for key statistical metrics, querying with user-selected fields from over **6.7 million data points**

hyperPad

Jan 2021 – Apr 2021

Software Engineer Intern | Amazon QLDB, GraphQL, PostgreSQL, React, Selenium

London, ON

- Built a web scraper to automate data retrieval and provide market insights for **3,100+ products** on a daily basis
- Designed and implemented deployment pipelines and integrated test suites with CI/CD using IaC principles

Empire Life

May 2020 – Aug 2020

Software Engineer Intern | GCP (Dialogflow, Cloud Vision API), Docker, Zendesk

Toronto, ON

- Reduced customer service traffic and **resolved more than 27% of inquiries through automated chatbot** with Dialogflow
- Developed sentiment monitoring tool through natural language processing to prioritize customer experience by redirecting customers with poor chatbot experience to a live customer service agent using Zendesk

🔧 Projects

- **Varcega** | **Real-time earnings & macro intelligence** — Live feed with paying subscribers; streams company earnings/guidance and economic data, auto-updating pipelines, and uses LLMs to deliver concise, actionable insights and real-time alerts
- **Protect the Circle!** | **Web game** made with Vanilla JavaScript and custom trigonometric collision models
- **Social Media Clone** | Server-less full stack social media **web app** made with React and Cloudflare Workers

🎓 Education

University of Waterloo

Class of 2023

Bachelor of Computer Science Co-op, Graduated with Distinction

Major GPA: 90.36%

Relevant Coursework: Object-Oriented Software Development, Data Structures, Algorithms and Operating Systems

⚙️ Skills

Languages and Tools Cursor, Claude Code, Bash, C, C++14, HTML5/CSS3, Java, JavaScript (ES6), Python3, SQL, TypeScript

Technologies and Frameworks Airflow, Django, Docker, Elasticsearch, Flask, Git, GraphQL, Hadoop, Kotlin, MongoDB, Node/Express, Nginx, PostgreSQL, React, Redux, Spark, SQLite, Webpack