Aarsh Patel

📞 (416)-624-8968   in aarsh-patel
✉ aarsh937@gmail.com   ⌨ aarshio
   🌐 aarsh.io

💼 Experience

Veeva Systems   August 2023 – Present
Associate Software Engineer | React, Java   *Toronto, ON*
> Developing and optmizing on the Veeva Vault platform, enabling Medtech companies to effectively triage, manage, and report product complaints in alignment with health authority standards.

BitGo   September 2022 – December 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 – August 2022
Software Engineer Intern | AWS (CDK, Kinesis, Lambda, Elasticsearch, S3, SQS)   *Toronto, ON*
> Developed 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 less than 15 seconds latency
> 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   September 2021 – December 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
> Refactored key abstract classes, reducing excess database queries and improving code maintainability
> Reduced response latency and improved API reliability by asynchronously parallelizing network and I/O calls and caching default user queries

hyperPad   January 2021 – April 2021
Software Engineer Intern | Amazon QLDB, GraphQL, PostgreSQL, React, Selenium   *London, ON*
> Built a web scraper to automate data retrieval and provide market insight for 3100+ products on a daily basis
> Designed and implemented deployment pipelines and integrated test suites with CI/CD using IaC principles
> Implemented fully managed ledger database for immutable and cryptographically verifiable product transactions

Empire Life   May 2020 – August 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 chat bot with DialogFlow
> Developed sentiment monitoring tool through natural language processing to prioritize customer experience by redirecting customers with poor experience with the chat bot to live customer service agent using Zendesk
> Pitched and demonstrated the use of optical character recognition to automate invoice and claim submissions

Dropbase   May 2019 – August 2019
Full Stack Developer Intern | MongoDB, Node.js, Plotly, React, Redux   *Toronto, ON*
> Created several full-stack components for internal dashboard, aggregating thousands of key data points
> Designed and developed live HTML to PDF API endpoint providing up-to-date PDF reports for users
> Implemented data-ingestion pipeline providing real time data via graphs and visuals

⚗ Projects

> **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 Sytems

⚙ Skills

Languages   Bash, C, C++14, HTML5/CSS3, Java, JavaScript (ES6), Python3, Scala, SQL, TypeScript
Technologies and Frameworks   Airflow, Django, Docker, Elasticsearch, Flask, Git, GraphQL, Hadoop, Kotlin, MongoDB, Node/Express, Nginx, PostgreSQL, React, Redux, Spark, SQLite, Webpack