

# Yash Kapoor

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## EDUCATION

Carleton University, *Ottawa, Canada*

2019 – 2024

Bachelor of Engineering in Software Engineering (Co-op)

- **GPA:** 3.7/4.0 | **Awards:** Dean's List

## SKILLS

**Programming Languages:** Python, Java, C, C#, C++, JavaScript, TypeScript, Bash, Racket, SQL, PHP

**Technologies:** Linux, HTML/CSS, Angular, React, React Native, Jest, React Testing Library, Bootstrap, Node.js, Express.js, Spring, MySQL, MSSQL, AWS, GCP, Azure, Docker, Kubernetes, CI/CD, Elasticsearch, Logstash, Kibana

**Tools:** VSCode, Git, Jira, Confluence, MySQL Workbench, Postman, PowerShell

## WORK EXPERIENCE

Software Engineer, *Autolux Ltd. O/A Rapid City Transportation, Pickering, Canada*

March 2025 – Present

- Built a full-stack passenger application using **React**, **Node.js**, **Microsoft SQL Server**, and **CSS** with trip booking, real-time driver tracking using **Google Maps** and **Geotab API**, Face ID via **WebAuthn**, and secure input handling.
- Designed and implemented an Android kiosk application using **React Native**, **Node.js**, and **Twilio Voice API** that dials multiple staff members sequentially until someone answers, replacing manual reception and improving response times by **50%**.
- Created and deployed multiple **Node.js microservices** using **Docker** that pull data from **Microsoft SQL Server**, improving data security and maintainability.
- Engineered a dashboard in **Palantir Foundry** by modeling claim, trip, and passenger relationships using the **Ontology SDK** and **Pipeline Builder** and configured a **Linux VM** with a **Foundry agent** and **PySpark** transforms to securely pull data from microservices over VPN.

Full-Stack Software Engineer, *Barracuda Networks, Ottawa, Canada*

January 2022 – December 2022

- Developed an optimized ticket management system for managed service providers using **React**, **Node.js**, and **Elasticsearch**, resulting in a **33%** increase in operational efficiency and a **20%** improvement in data consistency.
- Spearheaded the implementation of **unit**, **integration**, **functional**, and **regression tests** across the codebase, achieving **100%** test coverage using **Jest** and **React Testing Library**, improving code reliability and integrating tests into **CI/CD pipelines**.
- Engineered and deployed **RESTful APIs** within a microservices architecture using **Docker** and **Kubernetes**, improving system scalability and reducing deployment times by **30%**.
- Enhanced the CloudTrail feature in the Customer Security Dashboard using **AWS S3**, **AWS SNS**, and **AWS CloudTrail**, improving data retrieval accuracy by **20%** and ensuring reliable event tracking through alerts and **Jest unit tests**.

## PROJECTS

[Instant Messaging Website](#) | *React, Node.js, Express.js, Jest/React Testing Library, SQL, MySQL*

- Developed a comprehensive instant messaging platform with **React**, **Node.js**, and **MySQL**, featuring a dynamic chat list and conversation window.
- Integrated multimedia file support and message scheduling using **React**, **Node.js**, and **Express.js**, enhancing user engagement and functionality.
- Deployed the application on **Heroku** and **Netlify**, ensuring robust accessibility and performance.

[Interactive Elevator Simulation System](#) | *Java, Java Swing, UDP, JUnit, State Pattern, Multithreading*

- Implemented a **GUI** for a real-time elevator simulation system using **Java** and **Swing**.
- Utilized **UDP** for effective component communication and **multithreading** for operational management.
- Applied the **state design pattern** to ensure smooth and reliable system operations.