






Yash Arora

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Skills

Languages: Python, JavaScript/TypeScript, Java, C++, C, C#, Go

Technologies: Node.js, React, Express, Angular, Flask, Django, jQuery

Tools: Git, SQL, MongoDB, Jenkins, AWS, GCP, Azure, Docker, Kubernetes

Education

University of Waterloo

2019 – Present

Bachelor of Software Engineering

4.00 GPA (93% Term Average), 3.92 CGPA

Experience

Carbonite - Software Engineering Intern

Boston, MA. | Jan – Apr 2021

- Developed features for distributed systems using TypeScript (React, Node.js), .NET (C#), Python, and SQL.
- Created a REST API to automatically configure new computers for backups, reducing backup times by up to 23%.
- Led the development of a new feature in React and Node.js to monitor the statuses of over 300,000 servers.
- Optimized Jenkins CI/CD Pipeline using parallelization with Groovy to reduce build execution time by 78%.
- Deployed and demoed an internal code coverage visualization tool for 700+ members of engineering staff.

Localintel - Software Engineering Intern

Seattle, WA. | May – Aug 2020

- Built a data management portal with Node.js/Express and Angular to automatically perform client map updates.
- Developed a **visualization/mapping tool** with Angular and jQuery to display logistics and accessibility statistics.
- Automated the execution of Node.js and Python scripts with Airflow, saving ~12 customer success hours weekly.
- Created REST API endpoints to perform CRUD operations with geographical data on PostgreSQL databases.
- Implemented authentication and role-based authorization with JWT to secure confidential customer data.

Hatch - Software Developer Intern

Toronto, ON. | Jan – June 2019

- Prototyped a notification delivery service using Python (Django), increasing user retention and engagement.
- Created a feature using React and GraphQL to allow users to query a problem-set database by competencies.

Projects

Thing - Internet-Free Virtual Personal Assistant | Node.js, Wolfram Alpha, Twilio

yasharora.com/thing

- Received funding on behalf of Scotiabank, RBC, and **Dragons' Den Investor Michael Wekerle**.
- Demoed at International Career Development Conferences in Orlando, FL and Atlanta, GA to private investors.
- Leveraged natural language processing (NLP) to summarize queries and optimize response time.

Ohana - Free Online Code Collaborator (**Try it!**) | Node.js, React, Express, Socket.IO, Firebase

itsohana.com

- Led product management by defining core project scope, goals, and deliverables among 4 developers.
- Implemented REST API and Socket.IO with Node.js and Express to sync whiteboards for up to 15,000 users.
- Designed and developed homepage, text editor, and whiteboard UI components using React.

Vysion - Computer Vision for the Visually Impaired (**Try it!**) | GCP, TensorFlow, React

vysion.live

- Detected the presence of objects using TensorFlowJS, reducing API calls and improving user experience.
- Performed image classification and OCR with Google Cloud Vision to inform users of their surroundings.

Design Teams

Waterloo Aquadrone - Autonomous Underwater Drone | Python, C++

github.com/waterloo-aquadrone

- Created ML models using TensorFlow/Keras and YOLOv3 to classify objects in various underwater conditions.
- Programmed scripts with Python to automate the labelling process of datasets with over 43,000 images.