ROHAN DEY

COMPUTER SCIENCE, SOFTWARE ENGINEERING STREAM, SPECIALIST

✉ rohan.dey@mail.utoronto.ca   🏠 rohandey02.github.io/RohanDey   RohanDey02

SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, Bash, MongoDB, SQL, Elasticsearch
Frameworks and Methodologies: React, React Native, REST API, Node.js, Agile Methodologies
Environments and Tools: Git, Jira, Postman, Kubernetes, Docker, Maven, Figma

EXPERIENCE

BLiNQ Networks | Java, Kubernetes, Docker, Bash, Node.js, MongoDB, Elasticsearch, CI/CD   Markham, Canada
Software Developer Intern   May 2022 – August 2022

- Built an autoscaling simulator using Java, Kubernetes, Docker, Bash, MetalLB, Node.js, and functional programming to deploy tens of thousands of simulators to be used for testing and development purposes.
- Completed various assigned tickets on Jira by constructing API endpoints using the Elastic ELK stack, MongoDB, and JavaScript.
- Created CI/CD pipelines to automate the creation of Docker images upon addition to the repository with GitHub Actions.
- Constructed device status workflows using asynchronous MongoDB and Elasticsearch clients, Java, and Kubernetes cronjobs to ensure that device statuses are always up-to-date and functioning correctly.
- Implemented an API Gateway with Swagger documentation using JavaScript, Docker, Kubernetes, MongoDB, and Elasticsearch to perform queries on the company devices to be used directly by the clients.
- Utilized agile development, and provided continuous team feedback, through code reviews, sprint planning, sprint reviews, and sprint retrospective meetings.

COMPETITIONS AND PROJECTS

Pawsup App | MongoDB, Express.js, React Native, Node.js   Toronto, Canada
University of Toronto   September 2021 – December 2021

- Communicated with Pawsup startup to create an app based on their requirements using the MERN stack.
- Followed Agile Development methodologies with frequent deliveries by allocating story points and attending daily standup meetings.
- Utilized Git version control and branching for frequent logs along with Jira for story tracking.
- Worked on Node.js backend to connect a relational MongoDB database with REST API and JSONs.

LSBU Virtual Inter-University Coding Hackathon 2021 | Python   London, England
London South Bank University   June 2021

- Developed a fair and efficient algorithm in object-oriented Python with Plotly and Tkinter to redistribute the vaccines between countries to ensure each country can fully immunize their populations.
- Placed 3rd overall in the competition out of more than 100 teams and received high praise from judges for usage of data science and innovation to solve high level world problems in Python.
- Web-scraped country vaccination data from world health websites and parsed the data into our country data class for easy storage and access.

CERTIFICATES AND TRAINING

2021   **3rd Place**, Finalist at LSBU Virtual Inter-University Coding Hackathon 2021   London, England

EDUCATION

University of Toronto   Toronto, Canada
Honours Bachelor of Science in Computer Science   2020 - Present

- cGPA: 3.52/4.0
- Dean's List 2022