Arjun Sharma

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SKILLS

PROGRAMMING
Proficient:
- Python
- Java
- React, Node.js, Javascript
- SQL
- MongoDB
- Bash Scripting
- Linux

Familiar:
- C
- Docker
- GCP
- S3, EC2, AWS Lambda
- Redis

AREAS OF INTEREST
- Game Hacking
- Information Security
- Distributed Systems
- Web Development

LINKS

Github:// **arjun-sharma1**
LinkedIn:// **arjun-sharma1**
Website:// **arjun-sharma.com**

EDUCATION

UNIVERSITY OF TORONTO
BSc in Computer Science

COURSEWORK

COMPLETE
Operating Systems
Artificial Intelligence
Information Security 1 & 2
Algorithm Design and Analysis
Machine Learning and Data Mining
Scalable and Distributed Computing

EXPERIENCE

US MOBILE | Software Engineer III
June 2022 – Present | Toronto, ON
- Revamped and implemented an enterprise-grade order system with Stripe which was able to handle high transaction volume, apply discounts, promos, and much more.
- Created scalable REST APIs in the back-end for multiple web apps utilizing Java, Spring Boot, Gradle and Python.
- Dockerized micro-services and deployed them to Kubernetes, alongside adding RabbitMQ support to handle high traffic.

RITUAL.CO | Backend Engineer III
Dec 2020 – June 2022 | Toronto, ON
- Created OpenAPI specification and implementation for a third-party API (Content Gateway) which provides external partners with various content.
- Worked under the product team to develop microservices using Java, SpringBoot such as order refunds which reduced operational costs by 15%.
- Designed and implemented pin authorization feature for merchants which increased merchant engagement and is currently used by all merchants.
- Worked extensively with Python and bash scripts to create an incentive service to award users that place repeating orders which increased order volume and sales.

NFERENCE | Software Engineer
May 2019 – Dec 2020 | Toronto, ON
- Responsible for designing the front-end for a suite of single-page web applications, bug-fixes, and feature requests using React.
- Implemented a distributed asynchronous pipeline for incoming tasks in Python by using RabbitMQ/Reddis, and Celery or Dask for parallel computing.
- Automated process to crawl, scrape and clean data using JavaScript, Python and Selenium which was then stored into a PSQL or Mongo Database.

IBM | Software Engineering Intern
May 2017 – Aug 2018 | Markham, ON
- Worked with the W.A.S Analytics Team to implement performance fixes for Websphere Liberty in Java such as caching fields, and multi-threading for a JSON Logging feature which improved log parsing by 22%.
- Developed multiple internal tools in Java and Python that automated the process of assigning customer defects to the correct IBM developer and a tool that generated defect statistic reports.

PROJECTS

NFT UNMASKED Jan 2022 – Dec 2022
- Developed a set of tools and bots to make money with NFTs generating over $350k in revenue. React, Web3 for the front end. Dockerized app, with NodeJS-Express backend. Deployed on Heroku along with Redis, and PSQL db. Wrote Solidity contract and deployed to Ethereum blockchain.

KIJIJI AD REPOST CHROME EXTENSION Sept 2020 – Mar 2021
- Created a Chrome extension that allows users to repost their listings . Primarily used Javascript, HTML, CSS for the front end. Backend used NodeJS-Express which was deployed onto AWS Lambda to scrape ad information.