Kanishka **Verma**

SOFTWARE ARCHITECT · COMPUTER SCIENCE MAJOR AND DATA SCIENCE MINOR

1088 Sunset Drive, Kelowna, BC, V1Y 9W1

236-457-3876 | ✉ kanisverma@gmail.com | https://github.com/kanishkaverma | https://www.linkedin.com/in/kanisverma/

Skills

Programming	Python · JavaScript · TypeScript · Python · Java
DevOps	AWS · Docker
Back-end	Express · Django · REST · GraphQL
Front-end	React · Redux · Angular

Experience

Royal Bank of Canada   *Toronto, ON (Remote)*

ML ENGINEER INTERN   *Sep, 2021 - April, 2022*

- Provisioned an easily managable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

UBC   *Kelowna, BC*

RESEARCH ASSISTANT   *January, 2021 - May, 2021*

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

UBC   *Kelowna, BC*

TEACHING ASSISTANT   *Jan, 2020 - May, 2020*

- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

Education

University of British Columbia   *Kelowna, BC*

B.SC. COMPUTER SCIENCE AND DATA SCIENCE MINOR   *Sep, 2018 - April, 2023*

- Dean's List: 92% Average

Technical Projects

Remarrk   *https://devpost.com/software/remarrk*

REACT, GOOGLE CLOUD SERVICES, NODE.JS, AWS AMPLIFY

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