






Kaan UN

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PROFILE

An experienced software engineer and workflow professional. Both professional and highly theoretical experience with Data Analytics and Full Stack Development.

PROFESSIONAL EXPERIENCE

Full Stack Developer, Masraff International 2024 Jul – 2025 Mar | New York – Remote

- Created data pipelines using latest ETL Practices, optimized legacy pipelines by improving computing time by **20%** and reduced costs by **15%** with better segmentation algorithms.
- Leveraged MLflow to visualize data insights. Designed and deployed interactive and scalable dashboards using React, achieving a **20%** enhancement in data fetching via efficiency through optimized C# code. Worked with **4M+** user purchase data.
- Fine tuned LLMs for OCR technologies, benchmarked a custom Llama model, developed a comprehensive workflow for benchmarking. This resulted in **60%** acceleration in project speed.

Database Administrator, Netoloji Software International 2023 Feb – 2024 Jun | Remote

- Leveraged AWS for Cloud Native workflows, used Kubernetes to create true-serverless integrations, which resulted in increasing uptime to **99.9%**. Worked on cloud servers and oversaw databases in cloud-based environments
- Improved operational decision-making by **15%**, assessed and met the business-level functional and technical requirements by conducting in-depth operational analyses using Python and Power BI.
- Architected ETL Pipelines and Data Warehousing solutions, reducing data processing time by **30%**. Managed backup strategies, and Performance Tuning for mission-critical systems serving global operations.

Cloud Software Developer, Cogent Integrated Business Solutions 2023 Mar – 2023 Oct | MI, United States

- Spearheaded the development of a novel CRM model for lead generation, leveraging financial and industry metrics to predict client interest with **90%** accuracy. This initiative boosted high-level project lead generation by **35%**.
- Directed a team of **15** researchers and data scientists, achieving an **80%** acceleration in data processing speed and a **60%** enhancement in data accuracy. Refined and optimized legacy algorithms by integrating Random Forest models using Python and scikit-learn, significantly advancing data analytics capabilities. Developed a full-stack data insights pipeline processing **1M+** data points.
- Strengthened model reliability and scalability by designing, deploying, and testing production environments on AWS EC2 and AWS Lambda. This enabled continuous improvement and enhanced real-time data processing capabilities by **70%**.

Database Specialist, Netoloji Software International 2022 Jun – 2023 Feb | Remote / In Person

- Successfully led installation and maintenance of databases, enhancing performance and reliability by **25%** for international business partners
- Conducted bilingual professional training sessions on a technical workflow application, empowering international partners to optimize their operational capabilities.
- Mastered advanced SQL skills. Developed, tested, and deployed JavaScript and C# codes, resulting in a **30%** boost in process efficiency.

PROJECTS

KubeFlow: Dynamic CI/CD Orchestration, 2023 Nov

Kubernetes – Python – Docker – Minikube – GitHub Actions – YAML

- Designed and implemented a comprehensive CI/CD Pipeline by integrating fragmented blueprints, creating a cohesive backend system using Python. This pipeline automated workflows, significantly streamlining build, test, and deployment cycles, thereby reducing manual labor and error potential by leveraging automation.
- Utilized Minikube on Docker to simulate a Kubernetes environment locally, enabling efficient testing and scalability. This setup was orchestrated with GitHub Actions and YAML for seamless integration and deployment management.

SUMMARY OF SKILLS

Programming Languages

SQL, Python, Java, R, Ruby, C, Rust, PHP, TypeScript, JavaScript, HTML/CSS, C#, Kotlin, React

Developer Tools & Platforms

Git, Apache Kafka, Apache Spark, Docker, Power BI, Postman, VS Code, MongoDB, Vercel, Figma

Frameworks

React, Node.js, Express, TailwindCSS, Flutter, .NET, Django, Kubernetes, Scikit-learn, Next.js

Cloud Infrastructure

AWS EC2, AWS Lambda, Amazon DynamoDB, AWS IAM, S3, CloudWatch, AWS RDS

EDUCATION

Honours Bachelor's of Science in Applied Mathematics,
University of Ottawa

Ottawa, ON, Canada

Bachelor's in Computer Science (Data Science), University of Ottawa

Ottawa, ON, Canada