

# Kaan UN

 Github Portfolio  Kaan UN  unkaanenterprise@gmail.com  Ottawa, Ontario, Canada  +1 613 261 7076

## SUMMARY OF SKILLS

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

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

**Developer Tools & Platforms:** Git, Apache Kafka, Apache Spark, Docker, Power BI, Postman, VS Code, MongoDB, Vercel, Figma

**Cloud Infrastructure:** AWS EC2, AWS Lambda, Amazon DynamoDB, AWS IAM, S3, CloudWatch, AWS RDS

## PROFILE

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

## PROFESSIONAL EXPERIENCE

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**Full Stack Developer, Masraff International** 2024 Jul – present | New York – Remote

- Developed and optimized backend architectures to support high-performance data pipelines and real-time analytics in an expense management environment.
- Fine Tuning LLM's for better prompt recognition to enhance user experience resulting in a more intuitive and responsive user interface.
- Research and Development regarding Visual Development, particularly regarding Time Series.

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

- Enhanced efficiency and expanded reach to business partners and clients internationally, resulting in a major increase in global partnerships within **three quarters**.
- Improved operational decision-making efficiency by **20%**, assessed and met the functional and technical requirements of the company by conducting in-depth operational analyses using Python and Power BI.
- Managed multiple projects for international operations, streamlining processes and reducing operational costs by **18%**.

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

- Managed a team of **15** researchers and data scientists, achieving a **40%** improvement in data processing speed and accuracy by optimizing algorithms, including the implementation of Random Forest models using Python's scikit-learn for advanced data analytics.
- Spearheaded the development of a new customer acquisition model which utilized a combination of web-scraping and sophisticated data analytics on AWS. This model integrated Random Forest classification to effectively predict and categorize client potential based on demographic and financial data, resulting in a **35%** increase in lead generation for high-value prospects.
- Enhanced model reliability and scalability by deploying testing and production environments using AWS EC2 and AWS Lambda, facilitating continuous improvement and real-time data processing capabilities.

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

- Acquired advanced skills in SQL and JavaScript, significantly enhancing .NET and database management projects, leading to a **30%** improvement in process efficiency.
- Successfully led database installation and maintenance, improving database performance and reliability by **25%** for international business partners.
- Delivered bilingual professional training on the Netoloji BPM application "E-Flow," enhancing operational capabilities for international partners.

## PROJECTS

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**KubeFlow: Dynamic CI/CD Orchestration,** 2023 Nov

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

- Constructed a full CI/CD pipeline using integrated fragmented blueprints to form a cohesive backend system through Python.
- Configured to automate workflows, enhancing the automation of build, test, and deployment cycles, significantly reducing manual labour and error potential.
- Minikube was used on Docker to simulate a Kubernetes environment locally, facilitating testing and scalability.

## EDUCATION

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**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