

Sushil Kainth

(905) 781-3746 | kainths.2206@gmail.com | www.linkedin.com/in/sushil-kainth/

Education

Bachelors of Engineering in Computer Science and Engineering

Chitkara University

Courses: Java, C#, HTML, CSS, JavaScript, Data Structures, UI/UX, Cloud Computing, Software Testing

Graduate Certificate in AI Software Development

Algonquin College

Courses: Python, Machine Learning, Computer Vision, AI Project.

Work Experience

Full Stack Software Developer

Algonquin College (SLiDE) | Ottawa, ON | January, 2023 – Present

- Developed **Patient Engagement Platform** for CHEO, resulting in 80% reduction in manual work for **researchers**.
- Built **complex SQL queries** that increased **processing speed** for research papers with high citation counts by 99%, reducing loading time from 15-20 minutes to seconds.
- **Tailored** and **Optimized NLP models** for Systematic Reviews, streamlining the research paper inclusion/exclusion process for researchers by 80%.
- Implemented **Responsive Design** principles using JS frameworks and enhanced existing UI components.
- Designed and developed **reusable UI components** to streamline development processes.
- Headed the **migration** from default **Django template** to **ReactJS**.
- Solely responsible for implementing **Quick Consult** feature in platform for **CCCTG** (Canadian Critical Care Trialsf Group), helping them become 100% digital.
- Facilitated client meetings to gather requirements and translate them into actionable user stories for accurate sprint planning.

Software Developer

Aspire Software | Montreal (remote) | July, 2021 – September, 2022

- Collaborated with **product managers**, **UI/UX designers**, and other developers to design, develop, and implement features based on technical specifications.
- **Troubleshooted** and **resolved** bugs within Spring Boot applications, ensuring smooth system operation.
- Led the **successful migration** of **desktop applications** to a **cloud-based architecture** using **AWS**, resulting in 62% reduction in infrastructure costs and increased scalability.
- Implemented **Java-based Keycloak** authentication, achieving a **70% performance improvement**.
- Developed a **user interaction tracking feature** to analyze user behavior and **inform product development decisions**.
- Led a team of 5 developers in delivering project on time and within budget.
- Optimized **resource allocation** and **system performance** by leveraging AWS Cloud technologies, leading to cost reduction and a 50% improvement in system performance.

Skills

- Languages- Python, Java, C#, JavaScript, HTML, CSS
- Frameworks- Django, Spring Boot, .Net, ReactJS, JQuery
- Database- SQL, PostgreSQL, MYSQL, S3, MongoDB, S3
- Cloud- AWS (Certified), Azure
- Other- Jira, Git, Shell Scripting, Agile development, Jenkins, Docker, Maven, AntDesigns, Matlab.
- Soft Skills- - Self-driven, meticulous, solution-oriented, with strong analytical and problem-solving skills, and Excellent communication skills, excellent team collaboration skills.
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Certificates

- AWS fundamentals
- JAVA SE8 Programmer
- AZ-400 (in progress)