

Sushil Kainth

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Skills

Technical:

Java | Python | JavaScript | HTML | CSSReact.js | SQL (MySQL, PostgreSQL) | NoSQL (MongoDB, DynamoDB) | AWS | CI/CD

Soft:

Strong communication skills | Collaboration | Cross-functional partnership | Problem-solving | Influencing | Adaptability | Teamwork | Project Management

Education

Algonquin College

Graduate Certificate in Artificial Intelligence

Chitkara University

Bachelors of Engineering in Computer Science

Work Experience

Algonquin College

Full Stack Engineer – Machine Learning

Ottawa, ON

January, 2023 – September, 2024

- Optimized front-end and back-end integration by implementing advanced SQL queries and RESTful APIs, resulting in a 99% reduction in loading times and significantly improved NLP outcomes.
- Implemented Docker for containerized deployments, leading to a 72% decrease in application response times through SQL optimization and enhanced data services.
- Ensured inclusive design practices by utilizing WAVE and color blindness simulators to enhance accessibility, resulting in user-friendly interfaces for all users.
- Optimized NLP-based models for Human + AI interactions, achieving a 34% increase in accuracy and documenting future improvements using LLMs and Generative AI to enhance user experience and performance metrics.

Aspire Software

Software Engineer

Montreal, QC

July, 2021 – September, 2022

- Migrated legacy monolithic apps to microservices architecture using Spring Boot and Kubernetes, achieving 60% downtime reduction and 99% uptime.
- Improved authentication processes by implementing Java Based Keycloak authentication, leading to a 130% increase in efficiency and scalability on AWS.
- Created an Application Tracking System for stakeholders to enhance the scalability of platform features, resulting in a 47% decrease in load times.

PlanetWalks LLC

Fresh Graduate Engineer

India (Remote)

October, 2020 – June, 2021

- Developed an Angular 10-based rendering system that dynamically generates forms from JSON, reducing static form code by 20% and improving production speed by 15%.
- Integrated OAuth 2.0 with Spring to enable secure and seamless authentication, boosting user adoption by 10% through enhanced functionality and improved security features.
- Implemented multi-tenant authentication across multiple applications, enabling the company to efficiently manage over 50 clients simultaneously, improving organizational capability by 30%.

Leadership Experience

Algonquin College

Project Owner

- Created a quick consult tool for CCCTG that made internal processes faster and cut response time by 40%.
- Managed project schedules and resources to ensure everything was done on time and met expectations, earning positive feedback from CCCTG.

Supervisor

- Supervised 4 interns over a semester, guiding them to learn and complete their tasks successfully.

- Taught the interns industry standards and best practices as a Software Engineer, helping them gain practical skills in software development.

Aspire Software

Scrum Master

- Volunteered as a scrum master for a month, leading daily stand-ups and coordinating team activities in the regular scrum master's absence.
- Ensured smooth project workflow and maintained team productivity during this period following best Agile practices.

Projects

Application Tracker System

- Identified inefficiencies in platform loading times, leading a cross-functional team to develop an analytical dashboard of the top 5 most used features, resulting in a 20% decrease in loading time and a 15% increase in user engagement.
- The development ultimately led to improving and adding additional servers for a few most used features.

Advanced Face Detection System

- Leveraged Tensorflow, OpenCV and Python to create a real-time face detection system.
- Additionally updated the system with Reinforcement Learning to increase the accuracy by 50% in the dark environments by adjusting the camera's focus, brightness, and contrast

NewsGPT

- Utilized Generative AI techniques to train a model from scratch on data from year 2015-2022 on sports to answer user queries.

GetLocals

- Worked with 5 small business owners to design and build a platform.
- Platform introduces Website Generation, Google ads, Social Media advertisement and Search Engine Optimzation.
- Solved the basic problem of cash flow for hefty fees for basic websites and technical knowledge required for available tools in the market for website generation.

Certificates

- Oracle Certified Java SE 8 Programmer
- AWS Cloud Practitioner
- AZ-104: Microsoft Azure Administrator
- Machine Learning and Deep Learning for Research