

# Sushil Kainth

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## Work Experience

### SLiDE — Full-stack Engineer

Jan 2023 – Sep 2024

Ottawa, Canada

- Developed AI/ML-driven clinical workflow automation tools, improving task accuracy by 34% and user trust through collaboration with healthcare professionals.
- Led full product lifecycle for Cloud-based and AI/ML solutions along with providing guidance and mentorship to interns during multiple projects successfully completing tasks within timeframe.
- Optimized clinical data retrieval speed by 90% via SQL query tuning and database architecture redesign, enhancing system efficiency for AI applications.
- Collaborated with researchers and healthcare professionals, continuously improving platform performance leading to a 20% increase in data processing efficiency and more accurate research outputs.

### Aspire Software — Software Developer

Jul 2021 – Sep 2022

Remote, Canada

- Developed and integrated Java-based Keycloak prompts with AWS, enhancing authentication processes by 130% and authorization by 56% as measured by Keycloak's login performance and error rates.
- Led migration of legacy systems to scalable microservices (Spring Boot, Angular), reducing deployment time by 40% and improving system maintainability.
- Built a full-stack dashboard (Angular, Java) to monitor application metrics, enhancing scalability by 23% and aligning with stakeholder requirements.
- Optimized the front-end workflow by integrating reusable components, reducing code redundancy.

### PlanetWalks LLC — Software Engineer

Oct 2020 – Jun 2021

Remote, India

- Initiated an Angular.js 10-based dynamic rendering system, automating form generation from JSON, which decreased manual form setup time and improved developer efficiency.
- Propelled backend APIs to enhance application security, reducing security vulnerabilities by 25% through encryption and secure data handling practices.
- Implemented security and data protection protocols via OAuth 2.0, reducing unauthorized access by 20%.

## Projects

### Real-time Voting System

Instituted a high-throughput voting system processing millions of votes within 5 minutes, ensuring fault tolerance and real-time feedback using AWS Lambda, SQS, and DynamoDB. Leveraged AWS cloud services for scalable, fault-tolerant architecture.

### Get Locals Web App

Refined an all-in-one web app for website generation, SEO, and employee management, increasing business efficiency by 30% for 3 business owners.

### Commutator (Smart Switch) - Hackathon Project

2022

Fostered an IoT smart switch with remote control and real-time monitoring, winning 1st place in a hackathon with 100+ participants. Designed IoT-driven UI/UX for remote monitoring, prioritizing user accessibility

## Certifications & Licences

### Machine Learning & Deep Learning for Research, NIT

Dec 2021

Gained proficiency in applying machine learning and deep learning techniques for research-oriented projects.

### Java SE 8 Programmer I, Oracle

Aug 2020

Demonstrated expertise in Java programming, object-oriented principles, and Java SE 8 APIs.

### AWS Fundamentals, Coursera

May 2020

Acquired foundational knowledge of AWS services and cloud computing concepts.

## Education

Algonquin College— Postgraduate Diploma in Artificial Intelligence

Chitkara University— Bachelors in Computer Science

## Skills & Interests

**Soft Skills:** Problem-solving | Analytical/ Decision making | Team collaboration | Adaptability | Time management | Critical thinking | Attention to detail | Leadership | Client relations | Cross-functional collaboration

**Skills/Tools:** Code Reviews | Documentation | Technical Writing | Application Testing | Agile Methodologies | Database Management | GraphQL | Debugging | Git | Microservices | OAuth | RabbitMQ | JWT | Relational Database Modelling | Jira | Confluence | Unit Testing | Rest API | ETL | Automated Testing

**Technical Skills:** Back-End (C#, Java, Python, ASP.Net, Spring Boot, Django), Front-End (HTML/CSS, JavaScript, React, Angular), Databases (MySQL, PostgreSQL, MongoDB), Cloud (Azure, GCP), and Tools (Docker, Kubernetes).