

SARTHAK GANDHI

St. John's, NL sarthak.page

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PROFESSIONAL SUMMARY

Software Developer with over 2 years of experience specializing in designing, developing, and deploying scalable web applications. Skilled in both front-end and back-end technologies, with a strong focus on delivering secure, high-performance solutions.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL

Frontend/Backend: React.js, Node.js, Express.js, Django, Flask, REST APIs, gRPC, Apollo GraphQL

Databases: PostgreSQL, MongoDB, Redis

Tools/Technologies: Git, AWS, CI/CD pipelines, Docker, Ethereum, ENS, Smart Contracts

EXPERIENCE

MainOnePro

02/2024 - 04/2024

Software Developer - Team Lead

St. John's, NL

- Delivered a SaaS product MVP by leading a team of 5 and accelerated the time to market by 2 weeks
- Collaborated with stakeholders to design a scalable system architecture that aligns with business goals
- Mentored two junior developers and assisted in establishing the startup's business operations
- Drafted and implemented technical designs to solve business problems, ensuring high maintainability and performance
- Represented the company at the Collision Conference, 2024 in Toronto, showcasing the product and networking with potential clients

Creadigol Solution

12/2020 - 8/2022

Full Stack Developer- Team Lead

Vadodara, India

- Led a team of 6 developers on 3 projects, including two customer-facing apps and a backend API
- Built dashboards, a marketplace, a ranking algorithm, and integrated Web3 technology into solutions
- Leveraged AWS, TypeScript, and Python to build scalable applications, managing over 5,000 concurrent users and reducing server costs by 24%
- Implemented an in-memory cache, reducing query execution time by 31%, which improved overall application responsiveness and user experience
- Utilized Jest for automated unit and integration testing, leading to a 33% reduction in bugs and errors

PROJECTS

[NextResume - Link](#) Ongoing

Next.js, TypeScript, SQLite, Cloudflare Workers

- Developing an innovative platform that enables job seekers to create and share dynamic, interactive resumes tailored to their dream jobs, leveraging AI to enhance personalization and engagement.

WeatherYOLO

Flask, Next.js, Pytorch, Tailwind, YOLOv8, COCO database

- Developed and optimized an object detection system using YOLOv8, improving performance across four weather conditions and refining model accuracy by training on COCO for 30 epochs across 25 different scenarios. Built a web application for real-time object detection, integrating YOLOv8's model to deliver live performance results.

ParkVision

React.js, Flask, PostgreSQL, OpenCV, AWS

- Designed and implemented a system to detect empty parking spots from real-time surveillance footage using a CNN and Python backend. Integrated the solution by uploading detected parking data to an AWS-hosted PostgreSQL instance for centralized storage and retrieval. Developed an app to display real-time parking spot availability, leveraging backend analysis for seamless user access.

EDUCATION

Master of Applied Science in Computer Engineering

09/2022 - 04/2024

Memorial University of Newfoundland

St. John's, NL

Bachelor of Engineering in Computer Science

08/2017 - 05/2021

Babaria Institute of Technology

Vadodara, India

LEADERSHIP / EXTRACURRICULAR

[Canada Learning Code - Link](#)

01/2024 - 11/2024

Instructor

- Taught 100+ students the basics of AI and awareness of the importance of AI in our daily lives through workshops and events