SARTHAK GANDHI

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PROFESSIONAL SUMMARY

Software Developer with a demonstrated ability to build scalable web applications for diverse industries, increasing app performance by 30%. Designed and implemented software architecture that supported over 5,000 active users, collaborating effectively with cross-functional teams to ensure seamless integration and deployment of features.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, SQL, Java, C
Frontend/Backend: React.js, Next.js, Node.js, Express.js, Nest.js, REST APIs, gRPC, Web3.js, Flask, Pytorch
UI/UX: HTML, CSS, Bootstrap, Material-UI, Tailwind CSS
Databases: PostgreSQL, MongoDB, MySQL, Firebase
Tools/Technologies: Git, Jira, NginX, Swagger, Linux(Unix Utilities), AWS (Amazon Web Services), Matlab, VHDL

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 and cross-functional teams to design the system architecture
- Automated deployment with CI/CD pipelines, cutting deployment time by 30%
- Optimized database queries and implemented caching mechanisms, improving system performance by 1.7 times
- Mentored two junior developers through code reviews and pair programming to enhance their skills

Creadigol Solution   12/2020 - 8/2022
Full Stack Developer- Team Lead   *Vadodara, India*

- Led a team of 6 developers on 4 projects, ensuring on-time delivery and high-quality code
- Enhanced application performance by 30% through code refactoring and optimization
- Implemented automated testing, reducing software bugs and errors by 33%
- Developed solutions for over 10 client projects and spearheaded 3 in-house projects from concept to completion
- Boosted user engagement by 18% by implementing interactive solutions in partnership with cross-functional teams

PROJECTS

Kiderra   **Next.js, TypeScript, PostgreSQL, Clerk, Bootstrap**

- Designed Kiderra to provide a comprehensive SaaS platform for children's services, directing a team of 5 to deliver MVP
- Collaborated with stakeholders to design and align system architecture with business goals and user requirements
- Composed detailed tech stack guides to assist in onboarding and maintain system efficiency for future team members

Santa Cars   **React.jS, Node.jS, TypeScript, Redux, Express.jS, Web3.js, MongoDB, Material-UI**

- Built a comprehensive gaming platform, allowing users to mint NFTs, race cars, and engage in multiplayer games
- Launched an intuitive marketplace for NFT cars and integrated JWT-based authentication for security and integrity
- Engineered secure and scalable platform, working alongside 3 teams to enhance performance and security

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

- Crafted a system to enhance object detection by evaluating YOLOv8's performance across 4 weather conditions
- Trained YOLOv8 on COCO for 30 epochs and refined model accuracy by compiling results across 25 different scenarios
- Built a web app for real-time object detection using YOLOv8, integrating model results for live performance

ParkVision   **React.js, Flask, PostgreSQL, OpenCV, AWS**

- Designed a system to detect empty parking spots from real-time surveillance footage using a CNN and Python backend
- Uploaded detected parking space data to a AWS-hosted PostgreSQL instance for centralized storage and retrieval
- Created an app to fetch and display real-time availability of parking spots based on backend analysis

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   01/2024 - Present
Instructor