Name: Ajaypal Singh

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Professional Website or Portfolio: Softtech.ca

Professional Summary

Dynamic and results-oriented Software Engineer with over 5 years of experience in full stack web development. Proven expertise in designing and securing robust web applications. Proficient in a wide range of technologies including React, Angular, Vue.js, Node.js, Nest.js, and SQL. Skilled in cloud platforms such as GCP, AWS, and Azure, with extensive experience in deployment and login functionalities. Recognized as Developer of the Year for outstanding contributions. Passionate about AI and experienced in developing AI-driven websites. Adept at leading small projects and working remotely on e-commerce and banking projects.

Key Skills

- Full Stack Development

- Front-end: React, Angular, Vue.js, DevExtreme, Tailwind CSS

- Back-end: Node.js, Nest.js, Express.js, Sequelize, Serelize, TypeORM

- Databases: SQL, PostgreSQL, pgAdmin, MongoDB, MySQL

- Cloud Platforms: GCP, AWS, Azure

- DevOps: Docker, Kubernetes, Jenkins, Terraform

- Version Control: Git, GitHub, Bitbucket

- API Development: RESTful APIs, GraphQL

- Security: OAuth, JWT, SSL/TLS

- Deployment: CI/CD Pipelines, Serverless Architecture

- AI Integration in Web Development

- Perfectionist in Design

- Login Functionality Implementation

- Analytics: Google Analytics, Adobe Analytics

Work Experience

Advanta Innovation Limited

Mohali, India | 2020 - Present

Software Engineer (2023 - Present)

- Led small projects and worked on e-commerce websites, handling multiple projects remotely.

- Created dynamic backends and managed static and dynamic servers, both local and cloud.

- Utilized ngrok and local tunnel for local servers, and deployed websites using Firebase and GCP.

- Employed Terraform to create connections between email and Slack alerts.

- Acted as a code reviewer to ensure code quality and maintainability.

Full Stack Developer (2022 - 2023)

- Handled frontend technologies and worked on multiple frameworks including React, Angular, Node.js, and Nest.js.

- Generated connections between pgAdmin and cloud services using Azure logins.

- Experienced in using DevExtreme and Tailwind CSS for frontend development.

Remote Developer (2021 - 2022)

- Worked remotely on American projects to track locations and run ads based on search analytics using Google Analytics and Adobe Analytics.

- Led the design efforts and ensured high-quality user experiences.

Software Engineer (2020 - 2021)

- Worked on a trucking project to calculate routes based on locations and situations using high-class calculations.

- Utilized Google Maps and Trimble Maps for route optimization.

Education

Bachelor of Science in Computer Science

Chandigarh University | Graduation Year: 2022

Certifications and Training

- Certified AWS Solutions Architect

- Google Cloud Professional Certification

- Microsoft Certified: Azure Developer Associate

Projects

- AI-Driven E-commerce Platform: Led the development of an AI-integrated e-commerce platform, enhancing user experience with personalized recommendations.

- Secure Web Portal: Designed and deployed a secure web portal for a financial services client, ensuring compliance with industry standards.

- Cloud-Native Application: Developed a cloud-native application leveraging serverless architecture on AWS Lambda, reducing infrastructure costs and improving scalability.

- Trucking Route Optimization: Developed a trucking route optimization system using Google Maps and Trimble Maps for precise route calculations.

Volunteer Experience

- Tech Volunteer | Local Non-Profit Organization

Location | Dates

- Volunteer | Swachh Bharat Abhiyan

College Time

Professional Affiliations

- Member, IEEE Computer Society

- Member, Association for Computing Machinery (ACM)

Languages

- English (Native)

- Hindi (Fluent)

Technical Skills

- Programming Languages: JavaScript, TypeScript, Python, Java, C++

- Web Technologies: HTML, CSS, SASS, Bootstrap, Tailwind CSS

- Version Control: Git, GitHub, Bitbucket

- Containerization and Orchestration: Docker, Kubernetes

- Continuous Integration/Continuous Deployment: Jenkins, GitLab CI/CD

- Testing Frameworks: Jest, Mocha, Chai, Cypress

- Cloud Services: AWS (EC2, S3, Lambda), Google Cloud Platform (Compute Engine, Cloud Functions, Firebase), Microsoft Azure (App Services, Functions)

- AI and Machine Learning: TensorFlow, PyTorch, Scikit-learn

Publications and Presentations

- "Integrating AI into Modern Web Development," Presented at Tech Conference 2023.

- "Time Management in AI Projects," Presented as part of final year graduation project.

Awards and Honors

- Developer of the Year, Advanta Innovation Limited (2022)