Sameer Waseem

Full Stack Developer — JavaScript Developer — Generative AI Engineer
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Full Stack Developer with over four years of experience in building and optimizing web and mobile applications. I'm comfortable working across the stack, with strong skills in ReactJS, NextJS, NodeJS, Flask, and NestJS. I've spent a lot of time developing APIs, integrating real-time data systems, and using Generative AI to push the boundaries of what apps can do. I'm also experienced with databases like MySQL and PostgreSQL, ensuring efficient data management and performance On the DevOps side, I've worked extensively with AWS, GitHub, and setting up smooth CI/CD pipelines. I take pride in delivering high-quality, scalable solutions that not only meet but exceed client expectations. My focus is always on writing clean, maintainable code and keeping up with the latest trends to make sure my work is always top-notch.

Technical Skills

Languages: JavaScript, Typescript, PHP, Python
Front-end: ReactJS, React Native, NextJS, CSS/SASS, Tailwind, Bootstrap, Material UI
Back-end: RESTful APIs, GraphQL, NodeJS, ExpressJS, NestJS, Laravel, Codeigniter, Flask, FastAPI
Databases: MySQL, PostgreSQL, MongoDB
Generative AI: OpenAI, Gemini, Llama3, ClaudeAI, Prompt Engineering, Langgraph, Langchain, CrewAI
DevOps: AWS, GitHub, GitLab, Digital Ocean
Tools: Firebase, Supabase

Experience

Mir Tech   Feb. 2024 - Present
Full Stack Developer   *Kuala Lumpur, Malaysia*

- Developed and optimized scalable web applications using NextJS for seamless server-side rendering, ensuring faster load times and improved user experience across various devices and platforms.
- Developed robust APIs with NestJS and Fast API, enabling secure and efficient data exchange between front-end and back-end systems, significantly enhancing the overall functionality and performance of the applications.
- Integrated Supabase for real-time data management and authentication, streamlining the development process by leveraging its prebuilt features, which reduced the time required for database management and user authentication tasks.
- Implemented end-to-end testing and deployment pipelines to ensure the smooth delivery of high-quality software, utilizing industry best practices to maintain code quality and minimize downtime during updates and releases.

RipeSeed   Jan. 2023 - Feb. 2024
Software Engineer   *Lahore, Pakistan*

- Spearheaded the creation of a sophisticated web platform using NextJS, MongoDB, and AWS, delivering a seamless user experience while effectively managing client expectations and project timelines.
- Single-handedly designed and implemented a complex system from scratch using Flask, Pinecone, and OpenAI, automating the process of scraping, filtering, improving, and generating unbiased newsletters tailored to user preferences.
- Oversaw the end-to-end development using Flutter Web, NodeJS/ExpressJS, Firebase, and AWS, incorporating Generative AI features to enhance user engagement while managing client relations and project milestones.
- Analyzed extensive datasets and developing a custom AI-driven application using NextJS, OpenAI, and AWS to meet the unique requirements of the client, ensuring a high level of accuracy and efficiency
- Worked on NodeTS/ExpressTS and OpenAI to create a robust email generation system, taking full responsibility for backend architecture, API development, and cloud deployment on AWS, ensuring high performance and reliability.
- Provided comprehensive project management, from initial consultation to final delivery, ensuring all projects were completed on time and met or exceeded client expectations, while also leading the development of cutting-edge AI and web technologies.

Azi Solutions   Mar. 2020 – Dec. 2022
Associate Software Engineer   *Lahore, Pakistan*

- Spearheaded the development of AutoOnes and CityBook, managing the entire backend for the website using the MERN stack, ensuring robust performance and scalability.
- Played a key role in the creation of CityBook mobile apps, contributing 50% to the development using React Native, resulting in feature-rich and user-friendly applications.

- Took charge of both frontend and backend development for ListNetworks, handling 40% of the frontend and leading the backend, ensuring seamless integration and functionality.
- Independently developed a project using CodeIgniter and jQuery, building both the frontend and backend from scratch, delivering a fully functional product according to client specifications.
- Successfully integrated Stripe and PayPal payment systems into AutoOnes, CityBook, and ListNetworks, along with implementing Google and Facebook authentication, enhancing user experience and security.
- Deployed all these projects on Digital Ocean and cPanel, overseeing the transition and ensuring smooth operations post-launch, while also providing oversight on ongoing maintenance activities.

Education

University of the Punjab   Graduated Dec 2021
Bachelor of Science in Computer Science   *Lahore, Pakistan*
- **Relevant Coursework:** Data Structures and Algorithms (C++), Linear Algebra & Statistical, Intro to CS (C++), Web Development (Java)

Projects

MooziLyrics | *Javascript, NextJS, OpenAI, MongoDB, AWS (EC2)*
- Led a dynamic team as the project manager, overseeing architecture design, task prioritization, and client interactions to ensure project success.
- Designed and optimized the project's technical architecture, promoting scalability and high performance to meet user demands effectively.
- Maintained rigorous quality control through comprehensive code reviews, fostering a culture of excellence and reliability in development practices.

Beltway Brief | *Python, Flask, Pinecone, OpenAI, Prompt Engineering, MongoDB, AWS (EBS)*
- Led the end-to-end development of Beltway Brief, overseeing architecture, CI/CD pipeline setup with AWS EBS, and frontend design.
- Created Vectors and Handled Vector using Pinecone to optimize OpenAI integration with custom prompt engineering, enhancing the platform's AI capabilities for personalized user interactions.

UpCatch | *Typescript, React, NodeJS, ExpressJS, MongoDB, AWS (EC2), OpenAI*
- Served as a backend developer, responsible for developing and maintaining the backend components of the project.
- Created efficient CI/CD pipelines using GitHub Actions integrated with AWS, ensuring seamless deployment and continuous integration.
- Integrated OpenAI seamlessly into the backend architecture, ensuring efficient and flawless content generation.

List Networks | *PHP, JavaScript, Codeigniter 4, MySQL*
- Developed a full-stack web application from start to finish, including designing the user interface, implementing backend functionality, and optimizing database performance.
- Deployed the web application to a live server, ensuring it was secure, scalable, and able to handle high traffic volumes.
- Continuously monitored and improved the web application's performance, incorporating user feedback and market trends to enhance functionality and user experience.

Open Source

jazzcash-checkout | *Javascript, NodeJS*
- Developed a Node.js library for integrating JazzCash into applications, facilitating easy and secure payment processing.

Funkai | *Python*
- Created a Python package for deploying placeholder functions powered by OpenAI and Anthropic (Claude), simplifying rapid prototyping and linguistic tasks.

Blogs

Integrate a chatbot in your website using OpenAI : Learn how to integrate a basic AI chatbot using OpenAI ChatGPT into your website, complete with a step-by-step guide and code examples to enhance user interaction and support. **Read more**
Task scheduling Problems within distributed system : Task Scheduling Problems & Theirs Solutions within a distributed system using AgendaJS. **Read more**