

RAJA OSAMA

🔧 Senior Tech Agnostic Software Engineer | 🚀 AI enthusiast | 📝 Blogger

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Dubai Silicon Oasis, Dubai, United Arab Emirates

👤 SENIOR SOFTWARE ENGINEER - JAVA - JAVASCRIPT - PYTHON

I am an accomplished Senior Software Engineer with over seven years of diverse experience in the IT industry. Having contributed to the successful deployment of more than 50+ applications, I am a tech-agnostic polyglot programmer with expertise in a wide range of languages and frameworks. My passion for Javascript is evident through my creative solutions and continuous open-source contributions, complemented by my role as a technical blogger. I thrive on challenges, adapt seamlessly to new environments, and am excited to leverage my skills and enthusiasm as part of an exceptional team that values innovation and excellence

📄 PROFESSIONAL EXPERIENCE

RAKBANK

Feb 2023 - Present

Senior Software Engineer

Lead the pioneering integration of artificial intelligence (AI) technologies within RAKBANK, including the implementation of semantic search, embedding techniques using ADA, and the utilization of advanced language models such as GPT-4, GPT Turbo 3.5 for intent classification, categorization, and other relevant applications.

Collaborate with cross-functional teams to identify and understand business requirements, translating them into technical solutions that leverage AI capabilities.

Architect and design scalable and efficient software systems, ensuring high performance, reliability, and security standards are met.

Work on multiple projects simultaneously, showcasing versatility as a polyglot engineer proficient in various programming languages and frameworks such as Java, Node.js, Python, React, React Native, and Spring Boot.

Develop and maintain full-stack applications, encompassing both front-end and back-end components, with a focus on delivering exceptional user experiences and seamless integration with existing systems.

Albatha Next

April 2022 - Feb 2023

Senior Software Engineer

As a Full-Stack Senior Software Engineer at Albatha Next, I drove both front-end and back-end development while contributing to impactful projects. I architected scalable frontend and backend applications, implementing code quality measures and enhancing user experiences.

Collaborating with Medical and Automotive teams, I tailored applications to market needs and integrated AI solutions. I also led initiatives introducing Next JS and Tailwind CLI, transforming development practices. My backend contributions spanned SpringBoot and event-driven architecture, fostering system scalability.

Led and participated in exciting projects that pushed the boundaries of innovation, contributing to the company's technological advancements and market competitiveness. Managed the complete software development lifecycle, from initial requirement gathering to overseeing successful releases, ensuring seamless project execution and delivery.

ATOMPOINT

March 2020 - April 2022

Senior Software Engineer

As a Senior Software Engineer at ATOMPOINT, a consultancy company that helps businesses create and launch products, I have developed, tested, and deployed 15+ applications and websites on various frameworks. I have also demonstrated strong ability in architecting infrastructures, backends, and frontends for performant and streamlined development, as demonstrated by creating an Uber-like water delivery mobile app based on GCP, NodeJS, and React Native.

In addition to my technical skills, I have also collaborated effectively on all stages of the software development lifecycle, from requirement gathering to production releases. I have developed a webinar platform from scratch, including ideation, design, and development, and have experience in converting static sites to dynamic web applications using 11ty, contentful, and nodeJS. Overall, I am a highly skilled and experienced full-stack engineer with a track record of delivering successful projects.

Dawood Fiber Mills LTD

2017 - 2020

Software Engineer

As a Full-Stack Senior Software Engineer at Dawood Fiber Mills, a parent company that owns multiple businesses in Karachi and Dubai, including superstores, I served as a technical lead with a successful track record in managing and resolving software-related issues. I demonstrated strong ability in developing 10+ in-house applications on various frameworks, and was skilled in creating mobile applications for Android and iOS, storefronts, and desktop applications, as well as integrating them with existing systems. I also provided extended support for the company's existing systems, including those of its sub-company, Dominion Stores.

NP Digitals LTD

2016 - 2017

Website Developer

As a part-time Website Developer at NP Digitals, a service provider call center in Karachi, Pakistan, I gained experience in designing and developing websites and landing pages. I was skilled in optimizing application load times to ensure quick website performance, and was proficient in using PHP, HTML, CSS, and WordPress.

EDUCATION

Bachelor of Science - BS, Information Technology

Majors: Software Development, Artificial intelligence & User Experience and Interface

Middlesex University, @Dubai

Intermediate Degree in Pre Engineering

CMS College, @Karachi

CERTIFICATION

Advanced Diploma In Software Engineering

APTECH, @Karachi

Website Development

APTECH, @Karachi

MAJOR PROJECTS

RAKBot :

Developed RAKBot, an internal conversational bot leveraging Model GPT-3.5 turbo and Model ADA. The bot streamlines quick documentation searches in a conversational manner by extracting information from PDFs through a process of converting them from PDF to text to embeddings.

React-native Foreground Service (React Native) :

Engineered RN-foreground-service, a powerful tool for creating persistent, un-killable headless tasks within React Native. This service is exceptionally comprehensive, supporting multiple tasks from a single headless task, controlling notifications (including buttons and on-notification click handling), and enabling real-time notification updates. The creation of this tool was inspired by the development of the Uber-like water delivery app, WaterLink, where the purpose was to keep the app functioning even after being terminated.

Super Simple Browser (Electron) :

Designed Super Simple Browser, an Electron and React-based web browser with fundamental browsing features such as tabs and navigation. This contribution serves as a gift to the open-source community. Check out the link associated with the title for more details.

MP3 Remix (Electron) :

Contributed to MP3 Remix, an Electron, and React-powered application. The application's core concept is to facilitate music downloads to the desktop while ensuring synchronization with their website. Whenever new music is added to the bucket, it's automatically downloaded via the desktop application.

WooShop (React Native) :

Developed WooShop, an open-source e-commerce project using React Native, GraphQL, and WooCommerce. Serving as a showcase application for highlighting my React Native expertise, it establishes a connection with WooCommerce through GraphQL, enabling various functionalities like JWT-based authentication, filtered browsing, order creation, product and category listings, and cart management. WooShop has garnered over 100 stars on GitHub.

RELEVANT SKILLS

- Javascript
- Vue Js
- Firebase
- MongoDB
- SQL
- Docker
- C#
- SpringBoot
- Next Js
- Angular Js
- React JS
- React Native
- Node Js
- GCP
- Electron
- Java
- Python
- Kafka