Rabih Al Houssein

Software Engineer

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Portfolio: rabihalhoussein

Summary

Dynamic Software Engineer with years of experience in developing robust applications and enhancing system performance. Proficient in a wide range of technologies including Node.js, Express.js, MongoDB, Next.js, and React.js, with a strong emphasis on building scalable, high-quality software solutions. Demonstrated expertise in collaborating with cross-functional teams to deliver innovative projects on time and within budget. Skilled in Agile methodologies and microservices architecture, ensuring efficient project execution and continuous improvement. Passionate about coding and problem-solving, with a commitment to staying updated on industry trends and best practices. Seeking to leverage technical skills and experience to contribute to a forward-thinking organization focused on impactful software development.

Experience

Full Stack Developer– 11/2024 to Present
Booma AI (Germany), Lebanon

- Designed and implemented dynamic, responsive UI using Next.js, TypeScript, ShadCN, and Tailwind CSS to enhance user experience.
- Developed scalable backend APIs with Nest.js and PostgreSQL, integrating Swagger for clear and efficient API documentation.
- Contributed to speeding up requirement extraction and compliance checks by optimizing frontend-backend interactions.
- Collaborated closely with cross-functional teams to deliver features that accelerate RFP analysis by 5x.

Software Engineer – 05/2024 to 11/2024
JobDiva (USA), Lebanon

- Develop and contribute to the rewrite of the frontend from JSP to modern technologies, utilizing Next.js 14 and Spring Boot to enhance user experience and functionality.
- Build reusable components with Storybook, improving development efficiency and ensuring consistent design patterns across the application.
- Collaborate with UI/UX designers to translate wireframes and mockups into responsive and interactive web applications, enhancing overall usability.
- Designed and implemented infrastructure using Docker Swarm, Nginx, and a microservices architecture, including CI/CD pipelines for the frontend.
- Integrate RESTful APIs to enable seamless data flow between the frontend and backend, ensuring efficient communication and data management.
- Monitor application performance and implement optimizations to improve load times and responsiveness, contributing to a better user experience.
- Participate in regular code reviews to uphold coding standards, share best practices, and mentor junior developers.
- Conduct thorough testing and debugging of applications to identify and resolve issues, ensuring optimal functionality and performance.

Full Stack Developer – 05/2023 to 10/2023
Tvleb, Lebanon

- Created a subscription management system serving over 10,000 customers, ensuring scalability and reliability.
- Designed and implemented a platform that supported multiple user roles, including admin, employee, and dealer, enhancing user experience and functionality.

- Enabled dealers to easily purchase accounts on the website and manage subscriptions efficiently, streamlining operations for business owners.
- Integrated the WhatsApp API for effective communication, tracking, and notification systems, facilitating task management and improving response times.
- Achieved more than a 50% increase in purchases by enhancing system efficiency and usability, resulting in higher satisfaction for both business owners and dealers.
- Utilized the MERN stack (MongoDB, Express.js, React.js, Node.js), along with Styled Components, Redux, Flow Type, Puppeteer, and Node IMAP to build and maintain applications.
- Deployed applications on AWS EC2 for reliable hosting and scalability, ensuring optimal performance under varying loads.

Software Engineer – 08/2022 to 04/2024
Nasco Insurance Group, Lebanon
- Contributed to the overall development and success of large-scale insurance projects, playing a key role in meeting project goals and deadlines.
- Collaborated with the UI/UX team to design and develop high-quality reusable components in Storybook and screens, ensuring a cohesive user experience across applications.
- Utilized a range of technologies, including Node.js, Express.js, MongoDB, Next.js, React.js, Redux, TypeScript, Tailwind CSS, Flow Types, React Hook Form, and Yup Validation, and Strapi CMS, to deliver high-quality software solutions.
- Participated in Agile methodology development processes, attending daily stand-ups and contributing to sprint planning, retrospectives, and reviews to enhance project outcomes.
- Worked with cross-functional teams to build efficient backend APIs using Node.js and Express.js, enhancing API performance and response times by more than 80% and writing comprehensive API documentation using Swagger.
- Implemented microservices architecture principles to enhance scalability and maintainability of applications.

Full Stack Developer Intern – 05/2022 to 08/2022
Nasco Insurance Group, Lebanon
- Fixed bugs and improved functionality of websites developed with Next.js and Strapi.js, significantly enhancing user experience and application performance.
- Implemented consistent Arabic styles for visually appealing designs tailored to Arabic-speaking users, ensuring cultural relevance and usability.
- Developed and implemented multitenancy in a single Strapi instance, successfully managing over four websites from a centralized platform.
- Utilized technologies including Next.js, Strapi Headless CMS, and Linux for building and maintaining web applications.
- Assisted in documenting the development process and maintaining technical documentation for the projects, improving knowledge sharing within the team.

Full Stack Developer Intern – 09/2021 to 08/2022
Codi Tech, Lebanon

Education

Bachelor's degree in Mechanical Engineering, focus on Renewable Energy – 2022 | **GPA: 3.63/4**
Lebanese University, Lebanon

Projects

Subscriptions Management System (tvleb.com)
Technologies: MERN Stack, Styled Components, Redux, Flow Type, Puppeteer, Node IMAP, AWS EC2, Jira, Bitbucket
- Developed a subscription management system for a company in Tripoli serving over 10,000 customers.
- Integrated WhatsApp API for communication and task management, leading to a 50% increase in purchases.

Source Code Marketplace (codesmarket.onrender.com)

Technologies: Next.js 14, TypeScript, Zustand, Express, tRPC, Tailwind, Stripe, Radix UI, Payload CMS, Nodemailer
- Created a platform for developers to sell their code projects, allowing users to sign up, upload projects, and securely purchase code.
- Facilitated connections between developers and buyers, enhancing the marketplace for source code.

Food Application (homefood-app.vercel.app)
Technologies: MERN Stack, Redux, Google OAuth, Nodemailer, Multer, Docker, Socket.IO, Google Maps API
- Developed an application connecting local cooks with customers.
- Features include order management for cooks, order placement, reviews, chat, and order tracking for customers.

Reddit Application (reddithub.vercel.app)
Technologies: Next.js, TypeScript, TypeGraphQL, URQL Client, Node.js, PostgreSQL, TypeORM, Docker, Chakra UI
- Developed a Reddit-inspired platform where users can register, view, upvote, and downvote posts.
- Users can also create, edit, and delete their own posts, mirroring core functionalities of Reddit.

Learning Management System
Technologies: React.js, Laravel, React Native
- Collaborated with a team to develop a Learning Management System (LMS).
- Built the web version using React.js and Laravel, and created the mobile version using React Native.

Microsoft Word Clone
Technologies: C#
- Worked with a team to develop a feature-rich word processing application inspired by Microsoft Word.

Skills & Expertise

- Javascript | Typescript | C# | PHP
- Java | Python
- PM2 | Yarn | Npm | Git
- Wordpress | Strapi | Payload
- SQL | GraphQL | MongoDB Query
- Tailwind CSS | Material UI
- Chakra UI | Radix UI | Shadcn
- Styled Components | Bootstrap

- Nodejs | Expressjs | Nestjs | Laravel | tRPC
- Swagger | Apollo | URQL
- MicroORM | TypeORM | Redis | Stripe
- NextJs | ReactJs | Flow Types | React Native
- Redux | Zustand | React Hook Form
- Yup Validation | Software Testing
- Docker | Docker Swarm | Nginx
- MySQL | Postgress | MongoDB

Languages

Arabic: Native | **English:** Fluent | **French:** Intermediate