

Muhammad Suleman Khalid

Passionate javascript developer with over 6 years of experience

📍 Lahore, Pakistan

📞 +923044788039

🌐 <https://medium.com/@sulemankhalid128>

✉ sulemankhalid128@gmail.com

🌐 <https://www.linkedin.com/in/suleman-khalid-b19808164/>

Professional Experience

Senior Software Engineer, ITitens 📄

2024 – present

As a Senior Software Engineer, I focused on backend development and cloud infrastructure management, designing scalable and high-performance systems tailored for reliability and efficiency. I managed AWS infrastructure, leveraging services like EC2, Lambda, S3, and RDS, and implemented robust CI/CD pipelines to streamline deployments and ensure zero downtime. My responsibilities included developing RESTful APIs, optimizing backend processes, and migrating legacy systems to cloud-based architectures. I specialized in performance tuning, cost optimization, and ensuring seamless integration between systems.

Key Achievements

- Built and deployed a highly scalable backend system, achieving exceptional performance under high traffic.
- Optimized database performance by designing efficient schemas, implementing indexing, and ensuring proper query optimization, leading to faster data retrieval and reduced latency.
- Streamlined CI/CD processes, reducing deployment time by 30% and ensuring smooth operations.
- Migrated legacy systems to AWS, reducing operational costs and improving system resilience.
- Designed APIs and backend services that enhanced user experience and supported seamless frontend integrations.

Senior Software Engineer, Kwanso 📄

2020 – 2024

As a senior software engineer, I was responsible for frontend and backend development, developing new features, and maintaining existing codebases. I actively participated in scrum meetings, conducted peer reviews for code modifications, and oversaw code deployment on the GCP and AWS.

Key achievement:

- Implemented pixel-perfect UI designs, significantly improving the user interface and overall user experience.
- Enhanced system performance by applying advanced techniques such as code splitting, memoization, and lazy loading.
- Designed efficient system flows and optimized data consumption to support seamless functionality and robust software solutions.
- Integrated Google Workspace tools and Microsoft Office 365 Graph APIs, extending application features and improving productivity.

- Boosted database performance by optimizing query execution and improving data retrieval speed with indexing and schema optimization.
- Focused on writing clean, modular, and high-quality code utilizing cutting-edge technologies to achieve project milestones efficiently.
- Conducted in-depth analysis of work processes and system architecture to build scalable and maintainable solutions.

Software Engineer, Frizhub

2019 – 2020

As a full-stack developer specializing in Node.js, Express.js, and React.js, I've been responsible for both front-end and back-end development. I wrote components-based code in React.js and integrated various libraries seamlessly. Additionally, I've utilized my skills in Node.js and Express.js to develop robust server-side applications.

Key Achievements:

- Contributed to projects from inception to completion by designing scalable architectures and developing efficient codebases using React.js, Node.js with Express.js, and MongoDB.
- Optimized application performance through efficient coding practices, database tuning, and frontend optimizations, ensuring smooth user experiences.
- Implemented robust security measures, including authentication, authorization, and data encryption, to safeguard application integrity.
- Seamlessly integrated third-party services and APIs, enhancing functionality and reducing development time.
- Consistently delivered high-quality solutions that met or exceeded stakeholder expectations, earning positive feedback for technical expertise and problem-solving abilities.

Front-End Engineer, Broker92

2018 – 2019

As a Frontend Developer, I was responsible for crafting frontend code using ReactJS, HTML, CSS, Bootstrap, and more. My role involved translating design mockups into responsive and visually appealing user interfaces, ensuring consistency across different browsers and devices.

Key Achievements:

- Enhanced the user interface by 60% through the implementation of Bootstrap and CSS3, ensuring modern, visually appealing, and mobile-responsive designs.
- Developed high-quality, clean, and maintainable front-end code with a strong emphasis on user experience and accessibility.
- Conducted comprehensive testing during the development process, including cross-browser and device compatibility checks, to ensure seamless usability.
- Quickly identified and resolved bugs, maintaining the stability and functionality of the web pages throughout the development lifecycle.

Core Skills

- JavaScript (6 years)
- ReactJs (6 years)
- GraphQL (4 years)
- REST APIs Integration (6 years)
- React Hook Form (4 years)
- Formik (2 years)
- JQuery (2 years)

Additional Skills

- NextJs
- Supabase
- Firebase
- Microservices

- NodeJs (6 years)
- NestJs (5 years)
- ExpressJs (4 years)
- GraphQL (4 years)
- Rest APIs (5 years)
- PostgreSQL (4 years)
- MongoDB (3 years)
- ORMS/TypeORM/Prisma/Mongoose (5 years)

- CSS3
- Tailwind CSS/Bootstrap CSS
- Material UI/Ant Design/ReactStrap

Tools & Technologies

Stripe, Sendgrid, Elasticsearch, Calendly Integration, OpenAI APIs, Swagger, Postman, Git & Github, Jira, AWS, Google Cloud Platform, Google Workspace APIs, Microsoft Office 365 APIs, Redis, PostGIS, Rewatch APIs, Webhooks, etc.

Education

Institute of Commercial Management (ICM), BS(CS)

2014 – 2018

Lahore, Pakistan

- The Final Year Project (FYP) encompasses a warehouse management system developed using .Net technology. This web application is tailored for efficient stock management within the warehouse, including an alert system for low stock levels.
- It offers a solution for stock entry, maintenance, and net profit calculation. Additionally, the system efficiently handles and stores invoices as part of the management process.

Top Projects

In-Shape-Dates

A fitness-focused platform designed to inspire a community of like-minded individuals to connect as dates, friends, or gym buddies. Users can explore profiles with unique features such as 360° physique videos, draggable interactions to save or discard profiles, and options to revisit decisions.

As a backend developer, my responsibilities in this project included:

- Designing and developing the entire backend system from the initial stage to completion, including APIs for both mobile applications and the admin panel.
- Ensuring database optimization with efficient schema designs, indexing, and query tuning for faster performance.
- Managing and maintaining AWS cloud infrastructure, including resource provisioning, scaling, and monitoring.
- Implementing robust CI/CD pipelines for seamless deployment and zero downtime.
- Creating secure and efficient REST APIs, leveraging JWT for authentication and web sockets for real-time communication.

- Utilizing Redis for caching to enhance application speed and performance.
- Conducting extensive testing and debugging to ensure reliability and scalability of the backend architecture.

Technologies Used: NestJS, PostgreSQL, REST API, Google Workbench, Redis, JWT, WebSockets, AWS, etc are used.

Caba Design

Caba provides sustainable, high-quality furniture brands while giving customers unparalleled design choices through customization and modularity.

As a full-stack developer in this project, my responsibilities included:

- Developing and maintaining robust codebases for ReactJS and NestJS applications, ensuring high performance and scalability.
- Creating responsive, user-friendly interfaces, enhancing user experience with state management solutions like Redux.
- Optimizing component performance through advanced techniques such as memoization and lazy loading.
- Collaborating with UI/UX designers to translate design mockups into pixel-perfect web applications.
- Implementing business logic using best practices.
- Efficiently implement the OpenAI API to generate summaries of transcripts, including analytics, user behavior, ratings, support email, and more.
- Crafting optimized queries in PostgreSQL with TypeORM
- Utilizing Redis service efficiently.
- Conducting continuous testing rounds to improve performance.

Technologies used: ReactJs, NestJs, Typescript, GraphQL, Material UI, React Hook Form, Tailwind CSS, PostgreSQL, TypeORM, AWS, Google Cloud Platform, Elasticsearch, OpenAI API.

RealRepp ATS

RealREPP provides a full suite of professional staffing & recruiting services, from Executive Search and Contingent Search to Temporary Consultant Search.

In my role as a Full Stack Developer, I assumed various responsibilities for this project, including:

- Developing and maintaining the codebase of ReactJS and NestJS applications.
- Designing and implementing robust back-end APIs tailored to project requirements and seamlessly integrating them with the React application.
- Designing database schemas and crafting optimized queries to ensure efficient data retrieval and manipulation.
- Implementing analytics reports based on various parameters such as location, status, and user behavior.
- Integrating secure payment processing functionality using Stripe to facilitate seamless transactions.
- Collaborating closely with design and product teams to gather requirements, receive feedback, and implement necessary changes to enhance user experience and product functionality.
- Deploying applications to staging environments for thorough testing and validation before production deployment.
- Conducting continuous testing rounds and performance optimizations to ensure the scalability, reliability, and efficiency of the applications.

Technologies used: Nestjs, Typescript, Reactjs, PostgreSQL, TypeORM, AWS, Google Cloud Platform, Elasticsearch, Microsoft Office 365 APIs, Redis, etc are used.

Intentsify

Intensify makes intent data actionable, automating the way B2B marketers aggregate, digest, and act on prospects' buying signals.

As a full-stack developer, my responsibilities in this project encompassed:

- Developing and maintaining the codebase of React.js applications.
- Writing reusable components in React with meticulous design.
- Integrating APIs into functional components and displaying data on the client side.
- Implement Redux with Saga by structuring actions and reducers well, using selectors, and leveraging 'takeLatest' for efficient action handling.
- Implementing business requirements into well-optimized code in the Express app.
- Designing and implementing optimized database schemas in MySQL, and efficiently handling queries using Sequelize.
- Implementing middleware and data validation checks.
- Conducting continuous testing to enhance the performance.

Technologies used: Nodejs, Expressjs, ReactJs, MongoDB, Mongoose, Redux, React Hook Form, Bootstrap, etc, are used.

Bubl Health

A mobile app that manages different communities with different types of patients. We focused on the admin side, and as a front-end developer, my responsibilities in this project included:

- Developing and maintaining the codebase of ReactJS applications.
- Creating reusable components in React with meticulous design.
- Integrating APIs into functional components and displaying data on the front end.
- Implementing design responsiveness for various screen sizes.
- Following best practices for optimization to enhance performance.
- Implementing graphical views for analytics reports.
- Conducting continuous testing across different devices to improve the user experience.

Technologies used: ReactJs, Redux, Bootstrap, React strap, React hook form, etc are used