

MOHAMMAD ABUBAKR

Senior Software Engineer | JavaScript | TypeScript | MEAN | MERN | Java | Spring Boot | AWS |

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SUMMARY

I am a **Senior Software Engineer** with **5+ years** of experience building scalable, efficient web applications. Proficient in **JavaScript, TypeScript, Java, MEAN (MongoDB, Express.js, Angular, Node.js), MERN (MongoDB, Express.js, React, Node.js), Vue.js, Next.js, and Nuxt.js**, I specialize in creating smooth, engaging user experiences and optimizing performance for large-scale applications. Skilled in clean code and engineering best practices, I focus on backend development with **Node.js, Nest.js, Express.js, Spring Framework, SQL, and AWS**, and thrive in **agile, remote teams**.

EXPERIENCE

Senior Software Engineer

Devsinc

06/2023 - 09/2024 🌐 San Jose, CA

A software development firm focused on building scalable and robust web applications that served over 500,000 active users and reduced downtime by 40%

- Led and contributed to multiple full-stack projects using a diverse tech stack, generating an additional \$500K in revenue
- Executed transformative projects using **JavaScript, Java, React, Node.js, Spring Boot** and **Docker**, conducting rigorous code reviews that increased code quality by 25% and boosted team efficiency by 10x
- Configured an efficient **microservice architecture** using **AWS Lambda** and **Kubernetes**, resulting in a 75% reduction in loading time
- Collaborated with the QA team and implemented **CI/CD pipelines** and **cloud services** via **GitLab** to optimize deployment and staging processes by 50%, leading to improved project outcomes
- Optimized API performance using **Next.js** and **TypeScript** with **SSR**, improving speeds by 130%
- Deployed automated test tools in **Cypress**, leading to a 50% reduction in testing efforts with 95% coverage

Fullstack Developer

Devsinc

05/2022 - 06/2023 🌐 San Jose, CA

A software company delivering 50+ web projects for 300K+ users

- Completed comprehensive advanced training in **Next.js, React.js, GraphQL, Java Spring Boot** and **Node.js** and built 3 production-ready projects using these skills
- Engineered scalable applications for **B2B SaaS products**, optimizing API response times by 40% and reducing system downtime by 25% through and database indexing
- Reviewed 100+ pull requests in **React** and **Node.js**, reducing bugs by 20% and enhancing communication within a team of 10 developers
- Crafted and fine-tuned over 10 React components with **Redux** for state handling and **TypeScript** for type enforcement, boosting performance and enhancing user experience across multiple browsers

KEY ACHIEVEMENTS



Leadership in Full-stack Projects

Managed transformative projects that increased performance by 30% and boosted team productivity by 25%, driving a 15% revenue growth through my engineering skills

SKILLS

JavaScript	TypeScript	Java		
MERN Stack	MEAN Stack	React.js		
Next.js	Angular	Vue.js	Nuxt.js	
HTML	CSS	Node.js	Nest.js	
Express	Spring Boot		Spring MVC	
Redux	MongoDB	SQL	MySQL	
PostgreSQL	Hibernate	Maven		
Gradle	AWS	Azure	GCP	Git
GitHub	GitLab	Material UI		
Microservices	RESTful API's			
Effective Communication		Mentorship		
Leadership				

PROJECTS

Camp Locator

01/2022 - 12/2022

A web application locator service

- Transitioned the website from legacy code to a **MERN based monorepo architecture**, reducing load times by 50%
- Transformed the architecture from a large **monolithic application** to a **service-based design** using **Go**, reducing dependencies by 40% and improving system scalability

EXPERIENCE

Backend Developer

PTCL

10/2021 - 04/2022 Remote

Pakistan Telecommunication Company Limited, a leading provider with 10+ million customers and 99.9% network uptime

- Delivered 20+ scalable web applications using the **Node.js**, **Express.js** and **Nest.js**, consistently meeting client requirements and maintaining a 100% job success rate through clear communication and thorough code reviews
- Restructured **JSON-based API** responses using **Next.js** and **Headless CMS**, improving load times by 40% while implementing **SSL** and **DNS** security measures
- Transformed website responsiveness and UX by streamlining **SQL queries**—cutting database response times by 50%—and automating data analysis workflows using **Bash scripts**
- Boosted real-time applications by implementing efficient page speed optimization strategies, improving **CI/CD** workflows by 60% with robust **Git version control**

Frontend Developer

Upwork

06/2019 - 09/2021 Remote

A freelance platform connecting clients with freelancers

- Collaborated with cross-functional teams to design, develop, and maintain 20+ responsive web applications using **HTML**, **CSS**, **JavaScript**, and frameworks like **React** and **Angular**
- Streamlined website performance by implementing best practices in coding, debugging, and testing, resulting in a 20% improvement in load times and enhanced user experience
- Developed and integrated 15+ **RESTful APIs** to enable seamless data exchange between front-end and back-end systems, ensuring 99.9% uptime and scalability

EDUCATION

Master's in Software Engineering

Turun yliopisto - University of Turku

09/2024 - Present Turku, Finland

Bachelor of Science in Computer Science

National University of Sciences and Technology

08/2018 - 08/2022 Pakistan

PROJECTS

Messaging App

01/2022 - 12/2022

A messaging application for real-time communication

- Contributed to the architectural design and did the structural analysis, thereby increasing the code quality by 50% and overall productivity by 90%
- Configured **GraphQL** server and client-side setup, resulting in loading times that were 2 times faster than **REST**, with efficient data retrieval
- Mentored a team of 7 developers** and Carried out biweekly code reviews that led to a 5x increase in overall productivity and streamlined the project, resulting in optimal development efficiency

NFT Marketplace

01/2023 - 08/2023

A decentralized marketplace for NFTs

- Revamped the backend of a **full-stack NFT marketplace**, improving transaction speed by 30% using **Solidity**, **Hardhat**, and **Ethers.js**
- Demonstrated a commitment to software quality by doing **TDD** and achieved 100% test coverage through the implementation of over 300 comprehensive unit tests

LANGUAGES

English

Native



CERTIFICATIONS

Certified React Developer (Hacker Rank)

(<https://www.hackerrank.com/certificates/ca73488ebf5c>)

Microsoft Certified Learn Student Ambassador - Alpha & Beta

Microsoft