

SARMAD AJMAL

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SUMMARY

Senior Full-Stack Engineer with 7+ years of experience building scalable, enterprise-grade SaaS applications in healthcare, aviation, and enterprise collaboration domains. Proficient in React, Next.js, Node.js, .NET, and AWS cloud services with a track record of leading frontend teams, optimizing CI/CD pipelines, and designing microservices architectures. AWS Certified Developer – Associate.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C#, Python, SQL, HTML5, CSS3

Frontend: React, Next.js, Vue.js, Nuxt.js, Tailwind CSS, SCSS, Redux, Webpack

Backend: Node.js, Nest.js, Express.js, ASP.NET Core, GraphQL, gRPC, REST APIs, Microservices

Databases: PostgreSQL, MongoDB, MS SQL, DynamoDB, Redis, Firebase

Cloud & DevOps: AWS (Lambda, S3, EC2, CodePipeline), Azure Functions, Docker, Kubernetes, CI/CD, GitHub Actions, Nginx

Tools: Git, Jest, React Testing Library, WebSockets, OAuth2/JWT, RabbitMQ, Kafka, Agile/Scrum

EXPERIENCE

Senior Frontend Developer

Jan 2026 – Present

Ophycare

Remote

- Spearheading development and maintenance of an **Integrated Medical Record (IMR)** platform using **Next.js**, enabling unified patient data management across clinical workflows for healthcare providers.
- Building performant, HIPAA-aware UI components with **TypeScript** and **React**, implementing role-based access controls and real-time data synchronization for multi-provider environments.
- Optimizing page load performance and **Core Web Vitals** through server-side rendering (SSR), incremental static regeneration (ISR), and efficient client-side state management.
- Collaborating with backend and clinical teams to translate complex medical workflows into intuitive, accessible user interfaces following healthcare UX best practices.

Senior Full-Stack Engineer

Feb 2023 – Apr 2025

Click Aviation Network

Dubai, UAE (Remote)

- Architected and shipped aviation SaaS platforms using **Nuxt.js/Next.js** and **ASP.NET Core/Node.js**, serving real-time flight tracking, booking management, and broker communications to enterprise clients.
- Implemented **Redis** caching layer for metadata and fuel-price endpoints, reducing API response times by **40%** and improving user-facing dashboard load performance.
- Redesigned **CI/CD pipelines** using DevOps best practices, cutting build times by **60%** through stage parallelization and elimination of redundant jobs.
- Built real-time communication features using **WebSockets** across multiple dashboards; integrated external aggregators (Leon, GIATA) for live aircraft and hotel data.
- Designed scalable backend services with **Azure Functions**, **Docker** containerization, and **MS SQL**; used **Dapper ORM** for high-performance data access.

Full-Stack Developer

Jun 2019 – Jan 2023

Bitsol Technologies

Islamabad, Pakistan

- Led frontend development across multiple SaaS products using **React.js**; built **REST APIs** with **Nest.js**, PostgreSQL, and MongoDB serving 10K+ concurrent users.
- Engineered real-time features (live feeds, chat, video conferencing) using **WebSockets** and **Agora SDK** for enterprise collaboration platforms.
- Conducted rigorous code reviews and performance tuning to improve maintainability; forked and extended open-source libraries to meet advanced business requirements.
- Architected serverless video/document processing pipelines with **AWS Lambda**; migrated workloads to **Kubernetes** for improved container orchestration and cost efficiency.
- Developed and deployed containerized applications using **Docker**, establishing foundational DevOps practices within the team.
- Built a national **COVID-19 tracking platform** (featured in Forbes) for Libya's Ministry of Health using React.js and Firebase with real-time exposure alerts and lab-data synchronization.
- Developed a sales workflow tool with **Next.js** and Express.js that boosted team productivity by **28%** through call tracking, analytics dashboards, and calendar integration.
- Engineered a MOOC platform supporting video lectures and quizzes; implemented a **Redis** session store to manage user state and improve authentication performance.

PROJECTS

Enterprise Collaboration Platform | *React.js, Nest.js, WebSockets, PostgreSQL*

workdrive.com

- Led full-stack development of a scalable real-time platform for messaging, video calls, and scheduling. Delivered a modular system supporting high concurrency for enterprise clients.

Sales Workflow Automation Tool | *Next.js, Express.js, REST APIs*

ripcord.io

- Built a sales productivity tool that boosted team efficiency by 28% through call tracking, real-time analytics, and calendar integration, reducing client no-shows.

COVID-19 Tracking System | *React.js, Firebase, Real-time Data*

Ministry of Health, Libya

- Engineered a national pandemic response platform with real-time exposure alerts and lab data synchronization for coordinated outbreak management. Featured in Forbes.

Chartered Plane & Hotels Aggregator | *Nuxt.js, .NET Core, Redis, Docker*

charterpad.com

- Developed charter booking modules with live aircraft data integration, streamlining fueling and finance operations along with aviation workflows and broker communications.

EDUCATION

Bachelor of Science in Computer Science

FAST NUCES (National University)

Aug 2015 – Jul 2019

Islamabad, Pakistan

CERTIFICATIONS & AWARDS

AWS Certified Developer – Associate (2025) | **AWS Cloud Practitioner (2025)** | **Web Developer of the Year (2021–2022)** | **Rising Talent of the Year (2020–2021)**

PROFESSIONAL DEVELOPMENT

Rethinking Asynchronous JavaScript – Kyle Simpson | **Git in Depth – Nina Zakharenko** | **The Last Algorithms Course You'll Need – Michael Paulson** | **TypeScript for Professionals – Basarat**