

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

Aug 2015 – Jul 2019

FAST NUCES (National University)

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