Ahmed Faraz

Full-Stack Developer

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Summary:

Senior Full-Stack Developer with 6+ years of experience building scalable, high-performance web and mobile applications across healthcare, SaaS, and enterprise domains. Currently working at RainStellaTech on Orva, an AI-powered perioperative workflow platform, delivering end-to-end solutions across frontend, backend, real-time systems, and cloud infrastructure. Strong expertise in React, React Native, Node.js, NestJS, event-driven systems, and cloud-native deployments. Experienced in taking products from development through production with ownership of architecture, performance, reliability, and security.

Skills

JavaScript | TypeScript | SPA | PWA | Angular | Ionic | React | React Native | NodeJs | Nest Js | Express Js | TypeORM | Next Js | Sql | NoSql | Mongo DB | GraphQl | Kafka | Jquery | Knockout | Handlebar.js | Underscore.js | Backbone.js | Redux | Rxjs | Mobx | React Query | Material | Angular Material | Bootstrap | Ant d | Tailwind Css | Kendo UI | NativeBase | Git | Bitbucket | Webpack | Babel | Gulp | Vite | Jira | Redmine | Trello | Scrum/Agile | Docker | Redis | AWS (API Gateway, S3, and Simple Queue Service (SQS)) | 3Scale | Unit Testing | Integration Testing |Jest and Enzyme | CI/CD | Docker | Chart.js | Html | CSS | Sass | Less | Scss |

Experience

RainStellaTech Fullstack Developer/Backend Lead   08/2024 – Present

- Full-stack development for Orva, an AI-driven surgical workflow and voice automation platform used in live operating environments.
- Built and maintained tablet applications using React Native for real-time clinical workflows.
- Developed admin and analytics dashboards using React, React Query, and Material UI.
- Implemented real-time communication using WebSockets and Socket.IO, enabling live case updates and status synchronization between backend and tablet apps.
- Integrated Sentry for frontend and backend error tracking, improving production observability and faster incident resolution.
- Developed data-driven visualizations using D3.js for operational and performance analytics.
- Designed and implemented backend services using NestJS, TypeScript, and Node.js.
- Built event-driven backend workflows using Kafka, BullMQ, and Redis.
- Implemented FHIR-compliant data transformations for healthcare interoperability.
- Designed MongoDB aggregation pipelines for analytics and reporting.
- Containerized services using Docker and deployed across Azure Kubernetes Service (AKS) and Google Cloud Platform (GCP).
- Implemented secure, multi-tenant APIs, permission guards, and data redaction for patient privacy.
- Wrote unit and integration tests using Jest and Supertest.
- Collaborated closely with product, AI, frontend, and DevOps teams to deliver features from concept to production.

Folio3 Senior Software Engineer   08/2020 – 07/2025

- Led the development of ERP, SaaS, digital health platforms, education and property management systems, and mobile apps including integration with wearable health devices.
- Designed and implemented HIPAA-compliant features such as secure authentication, patient onboarding, appointment scheduling, medical record-keeping, and real-time communications.
- Built scalable microservices architecture using Node.js, Nest.js, Express.js, TypeORM, and MongoDB, ensuring high availability and performance.
- Integrated FHIR-based APIs for EMR data exchange and interoperability with third-party systems.
- Developed real-time event pipelines with Kafka to handle live patient vitals and clinical updates from wearable devices.
- Utilized GraphQL for efficient querying and data federation across distributed systems.
- Upgraded Angular from version 13 to 15 and optimized the frontend build pipeline using Angular CLI and Webpack enhancements, resulting in faster load times and a smoother user experience.
- Migrated React 17 to 18 and optimized frontend build pipelines, reducing load times and improving user experience.
- Practiced Test-Driven Development (TDD) using Jest and Enzyme, achieving up to 95% test coverage on core healthcare services.
- Automated clinical workflows such as appointment reminders, reducing patient no-show rates by 30%.
- Collaborated closely with architects and clinicians to define system requirements and microservices boundaries.

- Provided mentorship to junior developers through code reviews, tech sessions, and hands-on guidance.
- Actively contributed to Agile ceremonies, sprint planning, and continuous improvement initiatives.

Tplex Software Engineer   01/2019 – 07/2020

- Development of ERP, B2B, and E-commerce web applications, delivering tailored solutions to optimize business
- operations and drive efficiency.
- Engineered a mobile application using Angular and Ionic, ensuring seamless cross-platform functionality and an intuitive user experience.
- Integrated secure payment systems such as Stripe and PayPal, ensuring reliable transaction processing and adherence
- to security standards.
- Implemented seamless integration with QuickBooks and Google Calendar, automating data synchronization and
- enhancing productivity for clients.
- Utilized a diverse technology stack including HTML, CSS, Less, Sass, Material Design, Antd, Bootstrap, Tailwind CSS, Kendo UI, Angular, React, Knockout JS, Node.js, Express.js, MongoDB, MySQL, and GraphQL to build scalable and
- maintainable software solutions.
- Played a key role in client demonstrations, effectively showcasing product features and capabilities, and provided accurate project estimates to align with client expectations

Key Achievements:

- Led end-to-end delivery of scalable web and mobile platforms, owning architecture, development, and cloud deployment.
- Designed real-time, event-driven systems using Kafka, WebSockets, Redis, and BullMQ to support high-volume workflows.
- Built AI-powered analytics and alerting solutions enabling proactive, data-driven operational decisions.
- Delivered HIPAA-compliant, multi-tenant systems with strong security and data privacy controls.
- Integrated complex third-party systems and internal services to enhance platform interoperability.
- Mentored engineers, set technical standards, and collaborated cross-functionally to ensure timely, high-quality delivery.

Projects:

Orva

Orva empowers hospitals and surgical teams with real-time visibility and AI-driven insights across operating rooms, departments, and facilities.
The platform captures live perioperative events, milestones, and workflows to help leaders make informed decisions, reduce delays, improve patient safety, and optimize operating room utilization. Orva enables healthcare organizations to identify patterns of risk, prevent costly disruptions, and improve outcomes for both patients and clinical staff.
Technologies used: React, React Native, React Query, Material UI, Socket.IO, WebSockets, D3.js, NestJS, Node.js, TypeScript, MongoDB, Kafka, BullMQ, Redis, Docker, Kubernetes, Sentry

Rhithm

Access the data that you've always wanted and that truly matters across your campus, district, network, region, or state.
Make more informed decisions, understand how events and initiatives impact the humans in your organization, and see patterns of risk to prevent catastrophic outcomes and save lives. Rhithm Insights is school leaders, empowered
Technologies used: HTML, CSS, Less, Sass, Material, Tailwind CSS, Kendo UI, Rxjs, Angular

Counterweight

Counterweight have been at the forefront of weight loss research for the last 20 years. The Counterweight programme was the first of its kind back in 2000, and since then we've been researching and evolving to remain the leaders in evidence based weight loss.
Technologies used: HTML, CSS, Angular, Rxjs, TypeScript, Angular Material, Node Js, AWS, Kafka, GraphQl, TypeORM, MongoDB

Telemed2u

A comprehensive web-based healthcare platform designed for providers to manage end-to-end patient care. Key features include patient scheduling, secure video consultations, clinical documentation, lab order management, superbill generation, and complete patient medical records access. The system also supports provider management and other essential clinical modules to streamline telemedicine operations.

Technologies used: React, Redux, Node Js, AWS, MySql, DynamoDB

Vahana

It is a Mobile Application designed to empower users with personalized fitness experiences and health insights. The app offers seamless integration with popular wearable devices including Apple Watch, Samsung Galaxy Watch, Fitbit & Garmin to provide users with a holistic view of their health

Technologies used: React Native, TypeScript, Redux, Node Js, Nest Js, AWS, TypeORM, Postgresql

Thrive

Thrive is a visual planning and regulation app inspired by the specific needs of neurodivergent people and the way they need to work to be successful. Thrive supports your mental and emotional health by supporting the way you need to plan and manage your day-to-day activities. It also provides tools for decompression and relaxation, something other people take for granted.

Technologies used: React Native, TypeScript, Redux, Node Js, Nest Js, AWS, TypeORM, Postgresql

Propertese

Folio3's proprietary Property Management Solution is pre-integrated with NetSuite. With customization, it may be integrated

with other platforms. This scalable platform streamlines the most common processes such as property creation, tenant management, contract creation, rent collection, and revenue recognition for Real Estate businesses. As the property solution setup to work with NetSuite, businesses can leverage the strong ERP features encompassing all aspects of business operations.

Technologies used: HTML, CSS, Bootstrap, Chart.js, ESlint, React, Redux, Node, GraphQl, Express Js, Kafka, Mongo DB, AWS, Objection.js, Knex, MySQL, and Amazon SQS

Education

Master of Science: Software Engineering, 2024 -2026, Sir Syed University of Engineering & Technology, Karachi
Bachelor of Science: Computer Engineering, 2016 - 2020, Sir Syed University of Engineering & Technology, Karachi
Intermediate: Govt. Boys Higher Secondary School, Jhuddo, 2015
School: Prestige High School, Karachi, 2012

Languages English B1

Certifications

HIPAA Awareness for Business Associates, HIPAA Security

Certification in Web Designing, Certification in Web Development, Certification in Software Development

Github
AhmedFaraz086
AhmedFarazQaimkhani
Portfolio

Linkedin
http://linkedin.com/in/ahmedfaraz1016

Blogs:

Secure Mobile App Credentials in React Native

Unleashing the Potential of React Native Healthkit: Strengthening Health and Fitness Apps

Reference: References available on request