Afzal Ahmad

Senior Full Stack Engineer · frontend leaning

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Austria · Remote with EU & US teams

01 profile

I am a senior full-stack engineer with 12+ years of experience building scalable web and mobile products using React, React Native, TypeScript, Next.js, Node.js, Python, and modern product architecture. I focus on reliable user experiences, performance, accessibility, SDK integrations, backend collaboration, and product quality across FinTech, InsurTech, IoT, and applied AI systems.

In my free time, I like exploring machine learning through hands-on experiments with model training, fine-tuning, dataset preparation, model evaluation, RAG experiments, and AI automation prototypes.

02 skills

Web & Mobile

React, React Native, TypeScript, JavaScript, Next.js, Vue, HTML, CSS, Accessibility, Design Systems, Mobile SDKs, Web Performance, Responsive UI, i18n, Redux, jQuery, Bootstrap, BackboneJS, Foundation

Visualization & GIS

Chart.js, D3.js, Mapbox, Leaflet, Google Maps, AG Grid, Telemetry, Geolocation

Backend & Integration

Node.js, Python, FastAPI, Flask, Django, aiohttp, asyncio, Pydantic, REST APIs, GraphQL, Apollo, React-PDF, PDFKit, Puppeteer, jsPDF, PHP, Laravel, Socket.IO, CodeIgniter, Stripe, Twilio, Jotform, ASP.NET

Testing & Tooling

Jest, Vitest, Playwright, PyTest, React Testing Library, Cypress, pnpm, Yarn workspaces, Turborepo, Git, GitHub Actions, GitLab CI, CircleCI, Jenkins, Webpack, Vite, ESLint, Prettier, Mocha, Babel

Data & Cloud

AWS Lambda, S3, Supabase, PostgreSQL, MySQL, SQL, MongoDB, Redis, AWS, GCP, Docker, Kubernetes, Terraform, Grafana

Applied AI

Python, Pandas, NumPy, scikit-learn, PyTorch, Model Training, Fine-tuning, Dataset Preparation, Model Evaluation, RAG Experiments, AI Automation Prototypes, OpenAI APIs, Prompt Engineering, RAG Pipelines

03 experience

Sr. Full Stack Developer · Applied Systems — Nov 2025 — Present

Applied Systems & Cytora · WFH Austria (USA/UK Remote)

React · TypeScript · Full-Stack Architecture · Accessibility · Design Systems

- Driving full-stack delivery for customer facing insurance product surfaces with a focus on reliability, usability, and performance.
- Owning product architecture decisions, component standards, and design system alignment.
- Partnering with product, design, and backend teams to scope, build, and ship high impact features.

- Improving accessibility, testing practices, and code quality across the stack.

Senior Full Stack Engineer · Cytora

Jan 2023 — Present

Applied Systems & Cytora · WFH Austria (USA/UK Remote)

React · TypeScript · Accessibility · Design Systems · InsurTech

- Building and maintaining core web application experiences for an insurance risk and workflow platform.
- Collaborating with cross functional teams to deliver accessible, high quality, and performance focused UI.
- Improving full-stack best practices, code quality, review workflows, and maintainable product architecture.
- Mentoring teammates and contributing to engineering strategy and product delivery.

SDK Engineer / Full Stack and React Native Developer · MeshConnect, formerly GetFront

Sep 2022 — Sep 2023

MeshConnect, formerly GetFront · USA Remote, WFH Austria

React Native · React · TypeScript · SDK · FinTech · Blockchain

- Worked on FinTech and blockchain infrastructure products focused on account linking, wallet connectivity, crypto transfers, and secure financial user flows.
- Built and contributed to a full React Native integration SDK for MeshConnect, enabling mobile applications to integrate Mesh flows cleanly.
- Collaborated with product, backend, and design teams across US overlapping hours to deliver production ready web and mobile experiences.
- Improved SDK developer experience, integration quality, documentation clarity, and cross platform reliability.

Mesh React Native SDK contributions ↗

Lead Mobile and Full Stack Developer · ToolSense

May 2019 — Dec 2022

ToolSense · Vienna, Austria

React Native · Vue · Node.js · GraphQL · IoT · GitHub Actions

- Built web and mobile product experiences for an IoT platform used in construction and asset operations.
- Led full-stack and mobile development across dashboards, operational workflows, and React Native mobile app features.
- Implemented integrations, data flows, and product interfaces for device telemetry and asset management.
- Established CI workflows and GitHub Actions pipelines to improve delivery reliability.

Software Development Consultant · Clevertech

Mar 2022 — Sep 2022

Clevertech · USA Remote, WFH Austria

Next.js · Node.js · Hasura · OAuth · QuickBooks · Xero · Testing

- Delivered full-stack product features for remote international product teams.
- Integrated OAuth and financial services including QuickBooks and Xero.
- Added analytics tooling including LogRocket, Heap, and Datadog.
- Established unit testing pipeline and improved code quality practices.

Full Stack Engineer · GetParker

2021 — 2022

GetParker · USA Remote, WFH Austria

React · TypeScript · FinTech · Ecommerce Finance · Product UI

- Worked on FinTech and ecommerce finance product experiences for business customers.
- Built user facing product flows around onboarding, account management, and financial workflows.

- Collaborated with US based product and engineering teams through overlapping working hours.
- Contributed visible product impact through improved application structure, usability, and delivery quality.

Full Stack Engineer · MobFox

May 2017 — Jun 2019

MobFox · Vienna, Austria

React · TypeScript · Node.js · PHP · Webpack · Jest · AdTech

- Delivered full-stack features and service based projects for mobile advertising platforms.
- Built dashboards and product interfaces for AdTech workflows.
- Strengthened React, TypeScript, Node.js, and testing practices.
- Coordinated with development, testing, and API teams to improve delivery workflows.

Android / Full Stack Developer · BTech Group

Mar 2013 — Aug 2016

BTech Group · Islamabad, Pakistan

Android · Java · C# · ASP.NET · Node.js · PHP · AngularJS

- Built solutions for payments, shopping carts, and business platforms.
- Delivered projects across legal, medical, and commercial domains.
- Worked across full stack technologies from C# and Java to PHP and Android.
- Developed early mobile and web product experience across client facing systems.

Web Developer · MaxRemind

Jul 2012 — Mar 2013

MaxRemind · Rawalpindi, Pakistan

PHP · WordPress · OpenCart · PrestaShop · Payments

- Built PHP and WordPress solutions for healthcare and business workflows.
- Integrated payment gateways and ecommerce functionality.
- Delivered ecommerce implementations using OpenCart and PrestaShop.

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04 education

MSc Artificial Intelligence

Oct 2024 — in progress

Johannes Kepler University Linz · Linz, Austria

Master of Science, Telecommunications and Internet Technologies

Sep 2020 — Nov 2023

Fachhochschule Technikum Wien · Vienna, Austria

BSc Computer Science

2010 — 2014

Barani Institute of Information Technology · Rawalpindi, Pakistan

FSc (Pre-Engineering), Mathematics, Chemistry, Physics

2006 — 2010

Haripur · Haripur, Pakistan

Afzal Ahmad · Senior Full Stack Engineer · Austria · References available on request.