

Salman Ahmed

Senior Full Stack Engineer (Python + React)

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Available for Contract Engagement | Immediate Availability | Remote / Onsite / Hybrid

PROFESSIONAL SUMMARY

Senior full-stack engineer with 9+ years of experience delivering production applications for US-based clients using Python (Django, FastAPI), React/Next.js, TypeScript, and PostgreSQL on AWS. Expert in modern React (Hooks, Redux, SSR) with strong backend architecture to ship complete, scalable products. Proven results: 40% API throughput improvements, 99.99% uptime, and 10,000+ daily transactions processed. Experienced leading teams, building REST APIs, and integrating AI/LLM capabilities into full-stack applications.

CORE SKILLS

Frontend: React (Hooks, Context API, React 18), TypeScript, JavaScript (ES6+), Next.js (SSR/SSG), Redux, Zustand, Angular 2+, Fabric.js, HTML5, CSS3, Tailwind CSS, Responsive Design, Accessibility (a11y)

Backend: Python, Django, Django REST Framework, FastAPI, Flask, Node.js, Express.js, Celery, SQL

Databases: PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Elasticsearch

Cloud & DevOps: AWS (S3, EC2, Lambda, RDS, ECS, CloudFront), Azure DevOps, GCP, Docker, Terraform, GitHub Actions, Jenkins, CI/CD, Linux, Vercel

Architecture: Microservices, REST API Design, GraphQL, Event-Driven, Serverless, High Availability, Scalability, Web Performance

AI Integration: LLM APIs, RAG Pipelines, ML Model Integration, OpenAI API, AWS Bedrock.

Messaging: RabbitMQ, Kafka, Celery, WebSockets, Server-Sent Events (SSE)

Testing: Jest, React Testing Library, Cypress, pytest, Unit Testing, Integration Testing, E2E Testing

Security: OAuth 2.0, JWT, RBAC, SSO, OWASP

Practices: System Design, Agile/Scrum, CI/CD Pipelines, Code Review, Domain-Driven Design, API Design

Tools: Git, npm, Docker Compose, Nginx, Storybook, Stripe API, Firebase, Webpack, Vite

PROFESSIONAL EXPERIENCE

Qult.ai - Senior Full Stack Engineer (W2)

Jan 2025 - Present | Oklahoma, US

Clients: Mach 1 Integration (Healthcare), FastRead.io (SaaS)

- Built full-stack AI-powered healthcare timesheet OCR platform using Django backend; nurses upload paper timesheets and agentic LLM pipeline extracts shifts, breaks, and hours into structured payroll data.
- Developed review workflow UI routing timesheets by issue type; built dashboards for auto-detected missing signatures, pay period mismatches, and unknown employees.
- Engineered agentic workflow pipeline with self-correction logic, reducing LLM token costs by 40%.

- Implemented Celery + Redis with 3 priority queues, chunked batch processing (1,000+ timesheets/week), and exponential backoff retries.
- Architected multi-tenant domain-driven design (DDD) with immutable audit trails for healthcare compliance.
- Built FastRead.io — full-stack SaaS platform for AI book generation (80K+ books generated) with multi-model LLM support (Gemini, Claude, OpenAI) and image generation via Replicate.
- Optimized Celery task queues with LLM context caching for faster book generation throughput; integrated Stripe subscription billing and plan management.

Visionet Systems - Lead Full Stack Engineer (Remote)

Mar 2022 - Jan 2025 | NJ, US

Clients: Tapestry (COACH, Kate Spade), Associated Press (AP News)

- Built LMS (Location Management System) for Tapestry using FastAPI backend + Next.js frontend with SQL Server; full-stack platform for managing store openings, attributes, hours, and locations for Coach and Kate Spade brands globally.
- Developed Chat Tapestry — enterprise AI chat platform with Python FastAPI backend and Next.js frontend; integrated AWS Bedrock for multi-model access (Claude, Nova, Llama) with document generation (PPT, PDF, Word), web search, and AI agents.
- Led backend development for AP News content platform using Django REST Framework, PostgreSQL, and Redis on GCP Cloud App Engine; built news ingestion pipeline, article parsing, and REST APIs serving web and mobile clients.
- Developed push notification system for AP News mobile users via Firebase; implemented Redis caching (2-min TTL) and PostgreSQL read replicas to optimize feed delivery performance.
- Implemented AWS Cognito authentication for LMS; deployed Chat Tapestry on AWS ECS with Nginx and Docker.
- Increased API throughput by 40% through query optimization and PostgreSQL indexing; reduced response latency to under 200ms.
- Engineered microservice architecture using Python, Docker, and Celery with modular frontends; improved system recovery time by 40%.
- Led team of 4 engineers across multiple US client engagements, conducting code reviews and architectural planning.

Systems Limited - Full Stack Engineer (Hybrid)

Jun 2021 - Mar 2022 | Lahore

Client: British American Tobacco (UK) - ESG & Procurement Squad

- Built full-stack ESG data management platform with role-based user system; frontend for uploading, reviewing, and approving ESG CSV files across 14 categories with multi-level approval workflows.
- Developed data pipeline landing approved records into Snowflake fact tables; built admin dashboards for spoke owners to track approval status and data quality.
- Implemented Azure Web Services deployment with Azure Vault for secrets management and secure authentication flows.
- Developed REST APIs with Django for file processing, validation, and approval state management serving cross-functional data analytics teams.

eSketchers - Full Stack Engineer (Hybrid)

Mar 2018 - Jun 2021 | Lahore

Clients: Overview.ai (YC, US), AUAV (Australia), PrintMoz (US)

- Built full-stack defect detection platform for Overview.ai (YC) with React frontend and Django REST Framework backend; real-time image capture from on-site cameras via RabbitMQ microservice with UNET model processing 10,000+ images/day.
- Developed React-based inspection dashboard with real-time defect visualization, image annotation, and reporting for Overview.ai operators.
- Built interactive image viewer (zoom/pan/annotate) in React + Fabric.js for AUAV, supporting 500+ weekly active users with smooth 60fps rendering.
- Built interactive design creation tool for PrintMoz using Node.js, Angular 2, and MongoDB; implemented canvas-based editor with multi-size templates (banners, flex), layer management, undo/redo history, and published reusable TypeScript package via npm/GitHub.
- Deployed with Docker, GitHub Actions CI/CD, AWS Elastic Beanstalk and Lambda; reduced rollback events by 15%.
- Mentored junior engineers on full-stack patterns, component testing, and API design.

OneClout - Backend Engineer (Onsite)

Apr 2017 - Feb 2018 | Lahore

Client: Mapport (US)

- Built RESTful APIs using Python, Django, and Angular 2+ for geospatial data visualization platform.
- Developed frontend components in Angular 2+ for interactive map-based reporting and data exploration.
- Implemented OAuth/JWT authentication and role-based access control systems.

PROJECTS

Tapestry (COACH, Kate Spade) - LMS + Chat Tapestry

FastAPI, Next.js, SQL Server, AWS Bedrock, ECS, Lambda, Cognito, SSE

- Full-stack Location Management System and enterprise AI chat platform with multi-model access, document generation (PPT, PDF, Word), and AI agents.

AP News (Associated Press) - News Ingestion & Content Platform

Django REST Framework, PostgreSQL, Redis, GCP Cloud App Engine, Firebase, React

- Full-stack news platform with ingestion pipeline, auto-tagging, push notifications, Redis caching, and PostgreSQL read replicas serving web and mobile clients.

Overview.ai (YC) - AI Defect Detection Platform

React, Django REST Framework, UNET, RabbitMQ, Docker, AWS Elastic Beanstalk, Lambda

- Full-stack defect detection platform with React inspection dashboard, real-time image capture via RabbitMQ, and UNET deep learning inference.

EDUCATION

Master of Science, **Data Sciences** - Information Technology University, Lahore (2019 - 2022)

Bachelor of Science, **Computer Engineering** - COMSATS University, Lahore (2012 - 2017)