SYED FAWAD HUSSAIN SHAH

Senior Software Engineer

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PROFILE SUMMARY

As a results-driven Senior Software Engineer with over 8 years of experience, I specialize in designing and building scalable, high-performance software solutions that align with both technical requirements and business goals. My full-stack expertise spans modern technologies including JavaScript, TypeScript, React, Angular, Vue.js, Node.js, and Python, enabling me to deliver seamless user experiences and robust backend architectures.

I thrive in dynamic, fast-paced environments and collaborate effectively with cross-functional teams to drive product success. With a strong foundation in problem-solving and systems thinking, I tackle complex challenges with clarity and precision. Committed to continuous learning and innovation, I stay at the forefront of emerging trends, including early exploration of agentic AI architectures—to craft future-ready solutions that deliver real value to users and organizations alike.

TOOLS AND TECHNOLOGIES

Languages: JavaScript, TypeScript, Python
Backend: Node.js, Express, Python (Flask, Django)
Frontend: Angular 2+, React, Vue.js, HTML5, CSS3, Bootstrap, Material UI, Highcharts, D3.js
Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Elasticsearch, OpenSearch, Redis
Cloud & DevOps: AWS (S3, Lambda, Step Functions, EventBridge, Athena, EC2, RDS, CloudWatch), GCP, Azure, Heroku
Data & AI: Amazon Athena, NLP (GPT, LangChain), Pandas, NumPy, Airflow, Supabase, agentic AI (basic exploration)
Containers & Orchestration: Docker, Kubernetes
CI/CD & Version Control: Git, GitHub, Bitbucket, GitLab CI/CD, Jenkins
Testing: Jest, Mocha/Chai, Karma, Selenium, Postman
Mobile & Hybrid Apps: Cordova, Ionic, Firebase
Monitoring & Analytics: Google Analytics, Sentry
Other Tools: Confluence, Jira, Figma, RESTful APIs, GraphQL

WORK EXPERIENCE

TalentEdgeAI — Senior Full Stack Engineer
Feb 2024 – Present

- Architected and implemented a robust data lake using AWS S3, enabling scalable storage and processing of global job market datasets.
- Developed automated data pipelines using AWS Lambda, Step Functions, and EventBridge, streamlining data ingestion, transformation, and enrichment workflows.
- Utilized AWS Athena for querying large datasets efficiently, enabling near real-time insights and analytics across millions of records.
- Integrated NLP-powered search capabilities using GPT to convert natural language queries into structured filters and aggregate queries.
- Delivered actionable insights by transforming raw data into structured, queryable formats, supporting hiring trend analysis and candidate skill mapping.
- Empowered recruiters with dynamic search filters and demand intelligence to identify market needs and skill gaps across regions.

Techgenies LLC — Senior Full Stack Engineer
Jan 2022 – Present

- Worked closely with clients to define system specifications and designs.
- Led the development of complex application features, including search functionality using custom parsers.
- Designed and integrated both frontend and backend components for various applications.
- Managed cloud services on AWS and GCP to optimize traffic handling and ensure security.
- Built scalable analytics dashboards and microservices for TrenData, an AI-powered workforce analytics platform that delivers predictive insights for HR decision-making.
- Integrated data connectors and real-time processing pipelines for customer HR systems using REST APIs and secure data ingestion.
- Modernized web applications into a modular microservices architecture, improving maintainability and reducing deployment times.

Walee Technologies Private Limited — Senior Full Stack Engineer
July 2020 – Jan 2022

- Architected products using Domain-Driven Design (DDD) principles.
- Developed an abstraction layer for user profile updates with full audit trails.
- Managed cloud operations for applications with high traffic on AWS and GCP.
- Provided detailed analytics to support business decisions, improve sales, and optimize marketing strategies.
- Spearheaded the integration of AI-driven social listening tools to monitor brand mentions and sentiment across social media platforms.

- Collaborated with marketing and sales teams to deploy influencer marketing campaigns that reached over 2 million users.
- Designed a robust analytics module to measure campaign effectiveness, engagement rates, and influencer ROI in real-time.
- Led the migration of monolithic services to microservices architecture, improving system scalability and deployment speed.

Walee Technologies Private Limited — Full Stack Engineer

Mar 2019 – June 2020

- Collaborated with the product team to develop frontend and backend logic for web and mobile applications.
- Developed a chat bot to automate customer queries using Facebook and Magento APIs.
- Played a key role in the development of Walee Mobile Hybrid App, which gained over 100k users.

Youcan LLC — Full Stack Engineer

Sep 2017 – Feb 2019

- Designed and implemented microservices architecture for web applications.
- Integrated responsive design and optimized both frontend and backend business logic.
- Worked with product teams to improve application performance and ensure scalable solutions.

PROJECTS

Talent Edge: Comprehensive data-driven insights, powered by artificial intelligence, to enhance workforce understanding and streamline hiring processes.

Trendata: An AI-powered analytics platform for linking critical events and corporate metrics to drive business outcomes.

Walee: A trade app connecting businesses and social influencers, allowing influencers to create shops and monetize their sales.

Walee Enterprise: A SaaS platform for businesses to manage social media traffic and provide customer support through integrated chatbots.

LIRD: A medical records management platform featuring notifications, attendance tracking, and analytics.

Youcan: A platform enabling users to discover and join activities through interest-based classification and location filtering.

CERTIFICATIONS

● Ultimate AWS Certified Developer Associate — Udemy (2025)

ACADEMIC QUALIFICATION

● BS in Computer Science, FAST NUCES Islamabad (2013 - 2017)