

Momin Bin Shahid

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PROFILE

Full-Stack and AI Engineer with 8 years of experience designing and shipping production web applications. Core expertise in JavaScript/TypeScript, React, Vue, Node.js, and Python, with hands-on experience across MERN, MEVN, and JAMstack ecosystems. Builds AI agents using LangChain and direct frontier LLM APIs (OpenAI, Google GenAI, Anthropic) integrated into scalable products. Delivered solutions in data privacy and security, ERP, EdTech, and travel tech for clients across the US, Europe, South Asia, and the Middle East in both consulting and product environments.

SKILLS

AI & LLMs: LangChain, Google GenAI, OpenAI API, Anthropic Claude

Languages: JavaScript/TypeScript, Python, SQL, Bash, GraphQL

Frontend: React.js, Vue.js, Angular, Gatsby.js

Backend: Node.js, Django

Cloud: AWS, GCP, Azure

DevOps: Docker, Kubernetes, Airflow, Serverless

Databases: PostgreSQL, MongoDB, DynamoDB

EXPERIENCE

Lead Engineer

Jul 2024 – Present

Senior Software Engineer

Aug 2023 – Jun 2024

Sastaticket.pk • Pakistan's leading OTA processing thousands of daily flight bookings

Karachi, Pakistan

- Architected an AI-powered QA agent to automate QA evaluation of Customer Support calls using Python with Google GenAI, LangChain, and Airflow on AWS, reducing manual QA workload by 30% in initial deployment (targeting 65%), scaling call QA from 5-8 calls/day to hundreds daily at 92% accuracy
- Led major React/TypeScript with Ant Design app revamp, reducing page load times from several seconds to under one second for thousands of daily users
- Implemented Sentry observability, enabling proactive detection of 85% of errors before user impact
- Resolved critical airline provider integration issues in the Django backend, reducing booking failure rates from 40% to under 5% across multiple providers
- Mentored 3-5 engineers, leading code reviews and architectural decisions, and built a foundational AI agent structure for team extension

Senior Software Development Engineer

Sep 2020 – Feb 2023

Securiti.ai • Unicorn data privacy & security platform serving enterprise clients globally

Karachi, Pakistan

- Developed frontend interfaces for Data Access Intelligence, Governance, and Compliance Management modules using Vue.js (Vuetify), helping enterprises understand and control access to sensitive data and enforce security policies at scale.

- Built and shipped the Compliance Catalog module end-to-end while resolving multiple issues in the Data Map/Data Catalog module
- Contributed to integrating LinkedIn's open-source DataHub metadata platform into the product ecosystem using React.js (TypeScript, Ant Design, styled-components), enhancing data cataloging and lineage capabilities
- Built Node.js (Express.js) microservices with Puppeteer to automate user-type interactions, eliminating 100% of manual work, deployed via Docker and Kubernetes (using Helm) alongside a predominantly Go-based container ecosystem
- Mentored 2-3 engineers daily on best practices while actively participating in SCRUM sprint planning for product features and enhancements

Software Engineer

Aug 2019 – Sep 2020

[Folio3.com](#) • Oracle NetSuite Alliance Partner providing ERP consulting and custom software solutions Karachi, Pakistan

- Built an in-house HRMS as an installable package for Oracle NetSuite using React.js (Ant Design) on the frontend, ported a Node.js (Express.js) server, and developed RESTful APIs using NetSuite core modules with MongoDB, converting 78% of Middle-East clients from NetSuite's official HRMS to the custom solution
- Functioned as Technical Consultant for Oracle NetSuite ERP, developing full-stack solutions using SuiteScript 2.0 to automate business processes and reduce manual workload for clients across Middle-East and Europe
- Provided direct client interaction including technical support, troubleshooting, and issue resolution for ERP customizations

Software Engineer

Mar 2018 – Aug 2019

[Scayle.com](#) • Software consultancy delivering full-stack solutions for U.S.-based clients

Karachi, Pakistan

- Developed multiple modules and resolved critical issues for LearnerPal, an EdTech content and assessment platform, directly impacting 2,000+ students and teachers across U.S. schools, primarily in New York
- Built full-stack web applications using React.js (Ant Design) and Angular 2+ (Material) on the frontend, with Node.js powering the backend
- Extended and maintained traditional and serverless solutions on AWS (EC2, Lambda with Serverless Framework, DynamoDB, etc.), adding features while improving reliability and scalability for 15+ schools with simultaneous connections.

EDUCATION

Bachelor of Science in Computer Science

Jan 2014 – Dec 2017

University of Karachi • Bronze Medalist (BSCS) • U.O.K Merit Scholarship Holder

Karachi, Pakistan