Shafi Ullah

Senior Software Engineer | Full-Stack & Backend

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Professional Summary

Software engineer with 5+ years of full-stack and backend experience across healthcare, senior-living, fintech and SaaS products. Owns features from APIs, integrations and business rules to web interfaces using Node.js, TypeScript, React, Angular, relational databases and AWS. Focuses on scalable workflows, query performance and maintainable legacy systems, working with product and QA teams on automated testing, production issues and reliable releases.

Professional Experience

Senior Full Stack Engineer — Productbox

Peshawar, Pakistan | January 2024 – Present | Full-time

- Deliver full-stack features across Go Icon's staff, resident and family applications, connecting backend business rules and APIs with user-facing workflows.
- Translate facility-specific requirements into consistent application behavior, preserving permissions, data integrity and existing customer workflows.
- Improve shared modules and legacy features to support product growth without duplicating business rules.
- Optimized PostgreSQL and MySQL queries, indexes and caching, reducing P95 latency by 30–40%.
- Expanded Mocha, Chai and Sinon tests and strengthened release checks, contributing to approximately 25% fewer post-deployment issues.
- Standardized Docker and infrastructure as code with Pulumi and AWS CDK across environments, reducing service onboarding from two days to two hours.

MEVN Stack Developer — Heini LLC

Brooklyn, NY (Remote) | February 2023 – June 2026 | Concurrent contract

- Built Slack-based financial operations connecting transaction classification and purchase-order workflows with Plaid and QuickBooks, reducing manual handling by approximately 70%.
- Developed role-based access, multi-workspace controls and scheduled financial-data processing using Node.js, PostgreSQL, Redis and BullMQ.
- Supported AWS releases with CI/CD, structured monitoring and zero-downtime deployment practices.

Associate Full Stack Engineer — Productbox

Peshawar, Pakistan | July 2021 – January 2024 | Full-time

- Built and maintained assessment scheduling, eMAR medication workflows and resident-care applications.
- Developed Node.js backend logic and React/Angular interfaces for connected clinical records and workflows requiring accurate, secure data handling.
- Improved legacy code and resolved stability issues across interdependent clinical features.
- Worked with product and QA teams to investigate defects and release reliable fixes.

Selected Projects

Go Icon — Senior-Living Engagement Platform

Productbox

Connects staff operations, resident experiences and family communication. Changes in one application can affect another role's view, staff actions and community engagement; these journeys need consistent behavior across the platform.

I work across frontend applications and backend services, translating operational rules into user flows and preserving data and permission consistency across roles and facilities. I handle cross-application edge cases, improve shared and legacy code, and work with product and QA through testing and release.

Technologies: Node.js, TypeScript, JavaScript, React, Angular, SQL, AWS, automated testing

Caremerge — Clinical Care Platform

Productbox

Supports care teams with connected assessments, scheduling, medication records and resident-care information. A change to an assessment or medication record must remain consistent with the clinical information staff use elsewhere.

I built and improved frontend and backend workflows, translating clinical requirements into interfaces and reliable data handling. This involved permissions, existing resident records and downstream effects across features. I investigated difficult cases with product and QA, improved legacy code and delivered fixes for interconnected clinical workflows.

Technologies: Node.js, React, Angular, MySQL, PostgreSQL, automated testing

Jacquard — Financial Operations in Slack

Heini LLC

Brings financial handoffs into Slack: a bank transaction is classified, reviewed and passed to accounting. Purchase-order and expense workflows reduce the manual follow-up between operational teams and financial systems.

I built services connecting Plaid transaction data, Slack classification and approvals, and QuickBooks accounting. Responsibilities included workspace-specific access controls, scheduled background processing and synchronization across systems that respond at different times, using Node.js services, PostgreSQL and Redis/BullMQ.

Technologies: Node.js, Express, PostgreSQL, Redis, BullMQ, Slack APIs, Plaid, QuickBooks, AWS

Technical Skills

Programming languages: TypeScript, JavaScript, SQL

Frontend: React, Angular, Vue, Redux Toolkit, Zustand, CSS

Backend and APIs: Node.js, Express, NestJS, REST APIs, webhooks

Databases and data processing: PostgreSQL, MySQL, query/index optimization, caching, Redis, BullMQ, RabbitMQ; MongoDB (familiarity)

Cloud, DevOps and delivery: AWS, Docker, GitHub Actions, CI/CD, Pulumi, AWS CDK, Cloudflare; Kubernetes (familiarity)

Testing and quality: Unit and integration tests, Mocha, Chai, Sinon, code review, release checks

Education

B.S. in Computer Science — Abasyn University, Peshawar | 2021