



Shafi Ullah

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Profile

Full-stack software engineer with 5+ years of hands-on experience building, testing, and deploying cloud-native web applications from the ground up. Proficient in Node.js, TypeScript, React, and AWS with practical knowledge of CI/CD pipelines, containerization, and test-driven development. Known for end-to-end ownership, from system design to production monitoring, and a strong commitment to writing clean, reliable, and maintainable code. Always exploring new frameworks, DevOps tools, and AI-driven development practices to stay ahead of industry trends.

Education

B.S. in Computer Science (BSCS) — Abasyn University Peshawar, 2021

Abasyn University Peshawar, Peshawar

Professional Experience

Sr. Full Stack Engineer, Productbox, Peshawar

Jan 2024 — Present | Full time

- Standardized Docker + IaC (Pulumi/CDK) across services, shrinking onboarding time 2 days → 2 hours and ensuring dev/stage/prod parity.
- Tuned PostgreSQL/MySQL paths (query plans, indexes, caching), improving P95 by 30–40% under production load.
- Expanded unit/integration tests and CI checks (Mocha/Chai/Sinon, GitHub Actions), lowering post-deploy issues by ~25%.
- Drove secure patterns for healthcare/fintech flows (HIPAA context, secrets, least privilege on AWS).

Mevn Stack Developer, Heini LLC, Brooklyn

Feb 2023 — Present | Contract

- Built a Slack financial-ops bot (Node/Express, PostgreSQL, Redis/BullMQ) integrating QuickBooks + Plaid for transaction classification and purchase-order workflows, cutting manual handling ~70%.
- Implemented zero-downtime deploys on AWS with CI/CD and observability (structured logs/alerts), reducing on-call incidents ~20%.
- Added role-based access, multi-workspace tenant logic, and scheduled sync jobs for bank/accounting data.

Associate Full Stack Engineer, Productbox, Peshawar

Jul 2021 — Jan 2024 | Full time

- Contributed to clinical assessment modules (Node.js, React, Angular), enabling intelligent scheduling logic for healthcare assessments.
- Enhanced eMAR (Electronic Medication Administration Records) system with improved UI flows and secure data handling, supporting medication tracking for thousands of residents.
- Reduced technical debt by refactoring legacy modules and resolving long-standing stability issues.
- Collaborated with QA and product teams, cutting critical bug resolution time by 30%.
- Participated in feature development across multiple healthcare modules, ensuring HIPAA compliance and system reliability.

Software Engineer Intern (Backend), IT Park, Peshawar

Jan 2021 — Jun 2021 | Internship

- Developed Node.js/Express endpoints and integrated them with SQL database queries.
- Worked with SQL (MySQL/PostgreSQL) to design tables and write queries for reporting and app features.
- Assisted with testing and debugging (Postman, basic unit tests), improving endpoint reliability.

Technical Skills

- **Frontend:** React, Angular, Vue, ESNext
- **Backend:** Node.js (TypeScript), Express, REST/Webhooks, Redis, BullMQ, RabbitMQ
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud/DevOps:** AWS, Docker, Kubernetes, GitHub Actions, Pulumi / AWS CDK, Cloudflare
- **Quality:** Mocha, Chai, Sinon, CI pipelines, code review
- **Also worked with:** PHP, CodeIgniter, EJS, Pug, Jira

Soft Skills

- Team Leadership
- Cross-functional Collaboration
- Agile Development,

- Problem-solving
- Technical Mentoring

Projects & Contributions

Caremerge

Contributed to a large-scale healthcare platform encompassing modules such as Assessments, EMAR, Todos, Vitals, Clinical Notes, Incident Reports, Care Transitions, and Resident Service Plans (RSP). Played a key role in developing complex scheduling systems, medication workflows, and resident monitoring features. Collaborated on interdependent logic handling, digital signatures, and automated reporting pipelines. Supported enhancements for pharmacy integration, transition management, and configurable workflows, ensuring compliance, efficiency, and accuracy across healthcare facilities.

Jacquard

Built a full-stack Node.js Slack bot to streamline financial transaction management and purchase order tracking for organizations. Integrated with QuickBooks, Plaid, Google Workspace, AWS, and Notion. Delivered features such as real-time transaction classification, automated purchase order workflows, role-based access across workspaces, and intelligent reporting. Designed scalable architecture with Express.js, PostgreSQL, Redis (BullMQ), and Docker, with CI/CD pipelines via GitHub Actions for enterprise-grade deployment.