ABDULLAH PATHAN

Full-Stack Engineer · Solutions Architect · Cloud & AI Systems

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PROFESSIONAL SUMMARY

Versatile software engineer and solutions architect with 4+ years of experience building full-stack web applications, cloud-native platforms, and AI-powered systems. Expertise in Python, Java, React, and AWS with a track record of architecting scalable microservices, improving system performance, and reducing code complexity by 60%. Comfortable owning end-to-end delivery across frontend, backend, and cloud infrastructure. AWS and Microsoft Certified, with experience in both startup and enterprise environments.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, SQL
Frontend: React.js, Angular, Redux Toolkit, Material-UI, Tailwind CSS, Responsive Design
Backend: Spring Boot, Node.js, Express.js, REST APIs, FastAPI, Microservices Architecture
Cloud & DevOps: AWS (EC2, S3, Lambda, Amplify, CloudFront, RDS, DynamoDB), Docker, GitLab CI/CD
Databases: MySQL, PostgreSQL, MongoDB, Amazon RDS, DynamoDB
Security & Auth: JWT Authentication, Secure API Design, Vulnerability Scanning, LLM Security (Garak)
Observability: WebSockets, Real-Time Health Monitoring, Polling & Async Job Tracking
Tools: Git, IntelliJ IDEA, VS Code, JUnit, Postman, Vite
Certifications: AWS Certified Cloud Practitioner | AWS Certified Solutions Architect Associate | Microsoft Certified: Dynamics 365 Finance Functional Consultant Associate

PROFESSIONAL EXPERIENCE

Full-Stack AI & Cloud Engineer · Symbian Health   Marlborough, MA (Remote) | Dec 2025 – Present
- Architected and implemented a comprehensive AI security SaaS platform with 7+ microservices including AI Gateway, Batch Redaction, Garak LLM Scanner, Pentest Vulnerability Scanner, and Evidently Scanner — owning full lifecycle from design through production.
- Designed and built a dynamic EC2 service deployment platform with RESTful APIs and UI to provision, start, stop, and terminate instances on demand with real-time health checks.
- Refactored monolithic components into a reusable, service-oriented architecture, reducing code duplication by 60% and improving maintainability across 50+ components.
- Integrated AWS Amplify authentication with JWT token management and built a secure API communication layer with comprehensive error handling, enforcing security-by-design principles.
- Established real-time service observability using WebSockets, polling, and async job tracking — enabling automated state synchronization and live monitoring dashboards.

Front-End Developer · Dev Launchers   Austin, TX (Remote) | Feb 2025 – Nov 2025
- Built intuitive, responsive user interfaces using React.js, resulting in a 40% reduction in user task completion time across key product flows.
- Architected scalable state management patterns with Redux Toolkit, improving application performance and significantly reducing debugging overhead.
- Collaborated with UX and backend teams to transform wireframes into pixel-perfect, cross-platform interfaces aligned with business and user requirements.

Software Engineering Intern · Forage   Atlanta, GA | Jan 2025
- Implemented ML-powered, enterprise-grade solutions using Spring Boot and TensorFlow, integrating edge computing technologies into scalable service architectures.
- Developed RESTful web services with comprehensive JUnit test coverage achieving 85%+, enforcing reliability and code quality standards.
- Optimized SQL queries and data models for business applications, improving query performance by 25% through schema and indexing improvements.

Facility Supervisor & Operations Attendant · UAB Recreation Center   Birmingham, AL | Dec 2023 – Dec 2024
- Led a team of 5 Operations Attendants and trained 25+ student staff, demonstrating leadership, process management, and team development skills.
- Collaborated with management to improve operational processes and implement strategies for facility optimization.

Junior Software Developer · WebCraft IT   Indore, MP, India | Jun 2020 – May 2023
- Developed scalable software solutions using Java and Spring Boot, deploying AWS for multiple client projects across various industries.

- Integrated third-party APIs and designed robust data schemas to enable reliable communication between distributed services.
- Delivered projects in Agile/Scrum environments, contributing to sprint planning, architecture reviews, and cross-functional collaboration.

EDUCATION

Master of Science, Computer Science   Birmingham, AL

University of Alabama at Birmingham | GPA: 3.7