



Abdul Wahab Achakzai

Software Engineer

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Profile

Results-driven Software Engineer with 5+ years of full-stack development experience, specializing in Java/Spring Boot microservices and Angular frontends. Proven record of delivering high-performance, production-grade systems across government, and telecommunications — including a national electricity billing system serving 28 provinces, a real-time SNMP alarm-processing engine handling thousands of events per minute, and a national tax administration platform. Strong collaborator in Agile teams with a consistent focus on clean architecture, system reliability, and measurable performance gains.

Education

Bachelor of Computer Applications

Osmania University

Sep. 2016 – Jun. 2019

Hyderabad, India

Diploma in Marketing Management

Osmania University

2018 – 2019

Hyderabad, India

Experience

iEngineering Group (iEng Group)

Software Engineer

May 2025 – Present

Kabul, Afghanistan

- Architect and develop scalable Spring Boot microservices for a national telecom NOC platform, ensuring fault-tolerant, independently deployable services.
- Design and implement a production-grade SNMP trap listener engine capable of ingesting and processing thousands of Huawei/Ericsson network alarms per minute, converting them into structured NOC tickets via MIB/OID severity mapping.
- Develop responsive Angular dashboards, real-time monitoring panels, and ticketing interfaces; manage reactive data flows using RxJS and Angular state management.
- Integrate Redis caching and ActiveMQ event-driven message queues for high-frequency trap stream management; enforce security via JWT, Spring Security, and role-based access control.
- Deploy and manage services via Docker, Jenkins, and Kubernetes CI/CD pipelines; maintain full observability with ELK Stack, Grafana, and Prometheus.
- Tech Stack: Spring Boot, Angular 12+, MySQL, Redis, ActiveMQ, Docker, Grafana, JWT, JUnit

Key Achievements:

- End-to-end NOC ticketing automation reduced manual workload by 70%.
- API response times cut by 45% via Redis caching and async processing; system throughput improved 3×.
- CI/CD pipelines reduced deployment cycle times by 65%, enabling zero-downtime releases.

Tooti Sabz

Senior Backend Engineer

Jan. 2025 – May 2025

Kabul, Afghanistan

- Designed modular Spring Boot and Django microservices for high-traffic fintech and e-commerce platforms, ensuring high availability and independent scalability.
- Developed and documented 30+ secure RESTful APIs with OAuth2 and JWT; integrated third-party payment gateways ensuring full transactional integrity.
- Optimized PostgreSQL and MongoDB schemas with advanced indexing strategies; deployed containerized services on AWS/GCP using Docker with zero-downtime deployments.
- Tech Stack: Spring Boot, Django, PostgreSQL, MongoDB, Redis, Docker, OAuth2, JWT, Jenkins, GitHub Actions

Key Achievements:

- Migrated monolithic application to microservices — deployment times reduced by 60%.

- Backend scaled to sustain 10× peak traffic; query performance improved by 85%.
- CI/CD pipelines cut deployment cycles by 70%.

Ministry of Communications & IT (MCIT)

Jan. 2022 – Mar. 2025

Software Developer

Kabul, Afghanistan

- Developed full-stack Angular/Spring Boot modules for the sBreshna national electricity billing system, serving all 28 provinces of Afghanistan.
- Authored 12+ reporting components (Daily Collection, Online Payments); delivered 10 end-to-end CSC workflow modules — Name Correction (5-step), Title Transfer (8-step), Tariff Change (12-step), Address Correction (8-step) — to production.
- Optimized complex database queries, reviewed pull requests, and collaborated in teams of up to 9 developers; deployed frontend and backend to Linux production servers.
- Tech Stack: Angular, Spring Boot, PostgreSQL, Linux Server, Git, GitLab

Key Achievements:

- Resolved critical transfer-loss calculation bugs across all 28 provinces, restoring accurate billing nationwide.
- All 10 CSC workflow modules delivered to production on schedule with high quality.

Honest Public Ltd (HPL)

May 2023 – Aug. 2023

Software Engineer

Remote

- Developed responsive NextJS frontend Human Resource Management system with RESTful Laravel backend APIs; managed source control via structured GitHub pull requests.
- Tech Stack: NextJS, Laravel, MySQL, GitHub

National Statistics & Information Authority (NSIA)

Jan. 2021 – Dec. 2021

Software Developer

Kabul, Afghanistan

- Contributed to the Afghanistan Integrated Tax Administration System (AITAS) — national tax modernization replacing the legacy SIGTAS — implementing system-wide rules, permissions, and 50+ lookup tables.
- Delivered the GOP complaints module and responsive ASIMS Thymeleaf map; administered ODK survey forms and trained field surveyors for the Dastarkhwan-e Meli national survey.
- Tech Stack: Angular, Spring Boot, PostgreSQL, Thymeleaf, ODK

TASEES Centre for Innovation & Entrepreneurship

Oct. 2019 – Dec. 2020

Full-Stack Developer

Kabul, Afghanistan

- Built a Business Model Canvas SPA (Angular 8, NodeJS, MongoDB) with dynamic Bootstrap cards, custom color pickers, and secure user authentication.
- Developed responsive client websites using WordPress/WP Bakery; maintained hosting and integrated email-to-database contact forms.
- Tech Stack: Angular 8, NodeJS, MongoDB, REST APIs, CSS Grid, WordPress, HTML5, CSS3, JavaScript

Technical Skills

Languages: Java, JavaScript, TypeScript, PHP

Frontend: Angular 12+, React, NextJS, RxJS, Bootstrap 5, Angular Material, PrimeNG

Backend: Spring Boot, NestJS, NodeJS, ExpressJS, Django, Laravel

Databases: MySQL, PostgreSQL, MongoDB, Redis

DevOps & Cloud: Docker, Jenkins, GitHub Actions, AWS, Linux Server, Git

Messaging & Monitoring: Apache Kafka, ActiveMQ, Grafana, Prometheus

Security & Architecture: JWT, OAuth2, Spring Security, REST APIs, Microservices, MVC Architecture

Testing: JUnit 5, Mockito, JestJS, Karma/Jasmine

Projects

SNMP Network Alarm & Ticketing System (iEngineering Group, 2025–Present) | *Spring Boot, Angular, MySQL, Redis, ActiveMQ, Docker, Kubernetes, ELK, JWT*

- Real-time SNMP trap listener processing thousands of Huawei/Ericsson alarms/min; MIB/OID severity mapping auto-converts events into NOC tickets — reducing manual workload by 70%; throughput improved 3× via Redis caching and ActiveMQ queues.

Social Media Microservices Platform (Tooti Sabz, 2025) | *Spring Boot, PostgreSQL, Redis, Docker, OAuth2*

- 10+ independently deployable microservices; monolith migration cut deployment times 60%; 30+ RESTful APIs; query performance improved 85%; sustained 10× peak traffic.

sBreshna National Electricity Billing System (MCIT, 2022–2025) | *Angular, Spring Boot, MySQL, Linux Server*

- 12+ reporting components and 10 CSC workflow modules (5–12 steps) serving 28 provinces; resolved nationwide transfer-loss calculation bugs.

Afghanistan Integrated Tax Administration System (AITAS) (NSIA, 2021) | *Angular, Spring Boot, PostgreSQL, Thymeleaf, ODK*

- National tax modernization replacing legacy SIGTAS — 50+ lookup tables, GOP complaints module, responsive ASIMS map, Dastarkhwan-e Meli national survey integration.

Business Model Canvas Web Application (TASEES, 2020–2021) | *Angular 8, NodeJS, MongoDB, REST APIs*

- Full-stack SPA for collaborative business model creation with dynamic Bootstrap cards, custom color pickers, and secure authentication.

Certifications

Google — AI Fundamentals

Feb. 2026

Authorized by Google, offered via Coursera | Credential ID: DQJ12P4F7ZOX | Core AI/ML concepts, practical AI tools, responsible AI principles.

JPMorgan Chase & Co. — Virtual Software Engineering Program

Jan. 2022

Offered via TheForage | Stock price data feed interfacing; trader-facing data visualizations using JPMorgan frameworks.

Accenture — Developer Virtual Experience Program

Apr. 2022

Offered via TheForage | Architecture design, cloud migration, debugging, unit testing, UAT, IAM security, SDLC security, and data privacy.

Languages

English (Fluent) **Pashto** (Native) **Dari / Farsi** (Fluent) **Hindi** (Fluent) **German** (Conversational)

References available upon request