Abdulrahman Alfulayt

Software Engineering

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About

As a results-driven software engineer, I bring extensive expertise in developing robust and scalable backend systems and mobile applications. I am skilled in delivering high-performance code and excel in leading technical teams to create innovative solutions that drive operational enhancements and strategic progress. Leveraging advanced expertise in Java Spring Boot, Swift, and multiple state-of-the-art frameworks, I ensure seamless platform integration and optimization. My commitment to embracing challenges and adapting to technological change is matched by an unwavering dedication to continuous learning and the application of new methodologies, consistently enhancing productivity and contributing to organizational success.

Experience

SDAIA - NCAI   2024 - present

Principle AI/Software Engineer

- Led the successful integration of cutting-edge AI technologies including ML, NLP, and computer vision into enterprise-level distributed systems, enhancing automation and decision-making capabilities
- Architected robust, intelligent data processing pipelines using Apache StreamPipes and Kafka, achieving real-time analytics and operational improvements through IoT connectivity
- Developed and deployed innovative AI-based anomaly detection and predictive maintenance models, significantly reducing downtime and maintenance costs by leveraging deep learning techniques
- Designed and implemented OCR and NLP-driven document intelligence frameworks, automating extraction and classification processes, leading to a 40% increase in data processing efficiency
- Engineered and optimized AI inference models for cloud and edge computing, improving model performance by 30% and accelerating deployment cycles
- Spearheaded the development and application of large language models (LLMs) for breakthroughs in contextual search and conversational AI, establishing new standards in user interaction and satisfaction

Elm information Security   2022 - 2024

Senior Consultant

- Played a pivotal role in the Product Suite Department, leading multiple projects and working with a team of distinguished experts
- Directed a comprehensive overhaul of the Naql iOS app, incorporating a new design and additional services
- Initiated and led the development of Almothiq SDKs, introducing a TOTP/Absher-based authentication method to reduce SMS costs

- Created the Almothiq Backend SDK in Java, complete with extensive documentation
- Led the development and launch of the MOJAZ app, employing Flutter for its cross-platform functionality
- Acted as the Project Manager for the MARKEN app, guiding it from inception to launch, with a focus on Flutter technology
- Oversaw the Naql Makkah App project, managing its development in Swift (iOS) and Kotlin (Android)
- Worked closely with Project Analysts to produce the Almothiq System analysis
- Developed the Almothiq Proof of Concept/Test System using Java Spring Boot and MSSQL, providing APIs for mobile SDK development
- Cooperated with the Basher Team to integrate Almothiq into the Basher App
- Collaborated with the ElmX Payment Gateway team for Apple Pay and In-App purchase integration, liaising with Apple and Google
- Innovated a NodeJS-based Command Line Interface (CLI) to enhance developer efficiency and integrated it with the internal Jira Wiki system
- Conducted numerous technical workshops, enhancing team expertise in various technical areas

Elm information Security   2019 - 2022

Senior Software Engineer

- Contribute to ABSHER Business and ABSHER Individuals
- Completely rebuild whole new ABSHER Business and ABSHER Individuals Native Apps for iOS using Swift language with more than 70 different services provided by Saudi Interior Ministry
- Build a new Hajj App that allows checkpoints to validate all pilgrims permits for the whole hajj season, which used to validate more than 10 million pilgrims by 900 policeman users
- Build API back-end simulation that allows us to progress in development until real API is ready
- Leading iOS team, responsible for managing daily activities using Agile methodology to deliver company goals
- Follow MVC-C Pattern for iOS App to contain all available/new Absher services and ongoing change requests
- Build New authentications solutions TOTP, MFA
- Build Unit tests and UI tests for whole Apps with a custom test environment by API back-end simulation
- Integrate with Bitrise CI&CD to deliver daily Builds for QA and deliver production builds with complete auto running for Unit tests and UI tests before submitting the builds
- Integration with Firebase for notifications
- Integration of full security solution using IXGuard
- Integrate all development and CI&CD activities with a slack webhook that lets us be aware of any intention needed
- Collaboration with different departments to investigate and help
- Work closely with API/QA team to successfully implement and deliver the API and apps
- Prepare an entire POSTMAN collection for whole restful APIs endpoints with total automation progress

Ezhalha App   2017 - 2019

Senior Software Engineer

- Responsible for building the whole infrastructure for all processes and services that the app provides it
- Build entire Back-end system using Laravel framework (PHP) and NodeJs for some real-time parts
- Build iOS Apps for Clients & Providers using Swift language, and the app serves users with three different services (delivery, car maintenance on demand, cars auction) in one single application

- Follow MVC Pattern for iOS App to contain all services and ongoing change requests
- Cloud administrator using digital-ocean for admin part and AWS for restful API
- Using Nginx as a web server with many technologies like Redis to manage caches, supervisor for maintaining back-end queue, MySQLi as the central database, and MongoDB as a real-time database used for chat and tracking
- Build micro-services for some of the API parts that with immense uses
- Using AWS FIFO service to maintain sending of a request to providers allows the request to deliver to the nearest providers
- Fully integrated with CI&CD to deploy and make apps built for QA & productions using Bitrise and Jenkins
- Integration with Firebase for notifications
- Optimizing for server and back-end to contain the massive amount of requests and uses in minutes
- Build real-time tracking and chatting with complete optimization to reduce battery and network usage for providers & users
- Dealing with UX&UI to come up with best practices for a super app

Amaz   2016 - 2018

Software Engineer

- Developed many web/mobile applications for amaz clients, also for some of the biggest Clients like the Ministry of Health, Ministry of Justice, gulf health council, and Ministry of Culture
- Using many technologies/Languages to provide development services like Laravel, NodeJs, VueJs, Apache, Nginx, Swift, Ionic & e-commerces using WordPress, OpenCart
- Developed many back-ends restful APIs for IOS and Android apps using (Laravel/PHP, and NodeJs)
- Build the entire IT workflow to maintain daily activities with the team
- Responsible for providing the whole Hosting & Cloud Solutions and support services for Amaz clients
- Recruit, and train more than 30 fresh graduates and help them to have a successful career
- Work closely with the Marketing team to successfully deliver clients' needs

Attar Software Engineering   2014 - 2016

Full-stack Developer

- Developed hundreds of web/mobile applications for Attar clients
- Leading Mobile Development
- Developed Native mobile apps using Swift
- Developed full-stack applications, front-end, back-end, and admin panels using (Laravel/PHP, JavaScript, and VueJs)
- Developed Many Backend APIs for IOS and Android Apps using (PHP & Laravel)

Education

King Abdulaziz University   - 2015

bachelor in Software Engineering

Certifications

SPM Specialization
University of Alberta

iOS Development Specialization
University of Toronto

Swift Development
Mobily co.

Professional virtualization program
NEC

Professional Operating System
NEC

UX & UI Specialization
California Institute of the Arts

Agile Development Specialization
University of Virginia

Skills

Technical Skills

- Swift (iOS)
- Flutter
- React Native
- UI & UX
- PHP (Laravel, Codeigniter)
- Java (Spring boot)
- Ruby on Rails
- Ruby (Sinatra)
- NextJS
- Livewire
- Bootstrap
- Tailwind
- HTML&CSS
- jQuery
- Ajax
- Nginx
- Apache
- Shell Scripting
- DevOps
- AWS - DO
- Heroku
- MSSQL
- MySQLi
- MongoDB
- PostgreSQL
- Python
- Azure Active Directory
- Flyway
- JavaScript (Node.js)
- Machine Learning
- Natural Language Processing (NLP)
- Computer Vision
- Apache Kafka
- Apache StreamPipes
- Deep Learning
- Node.js

Soft Skills

- Responsibility
- Creativity
- Proactive initiative
- Punctuality
- Team management
- Problem resolution
- High-pressure situations
- Collaboration
- Communication
- Leadership
- Project management
- Agile methodology

Languages

• Arabic - Native   • English - Fluent

Social Links

[in] LinkedIn Profile   [web] Twitter/X Profile