

Ramin DAQIQ

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Profile

Senior / Lead Software Engineer with 8+ years designing, building, and shipping production software end-to-end — from cross-platform mobile apps live on the App Store and Google Play to real-time collaborative web platforms. Currently, technical lead on CHDC, a data platform used across **28 countries**, where I scaffold new products, own the code review and merge gate, and run production infrastructure on Kubernetes/Azure. Strong across Java/Spring Boot, Angular/TypeScript, Flutter, and React, with real-time collaboration (CRDT), OAuth2/SSO, and search at scale (Solr). Looking to join a product-driven team where software is the core product.

Core Skills

– LANGUAGES & FRAMEWORKS

Java 17/21	Spring Boot	TypeScript	Angular
React	Node.js	Flutter/Dart	PHP (CodeIgniter)

– DATABASES

MySQL	PostgreSQL	MongoDB	CouchDB
Redis	Apache Solr	DuckDB	

– CLOUD & DEVOPS

Azure (AKS)	AWS	Kubernetes	Docker
Azure DevOps CI/CD	Flyway		

– PRACTICES

REST APIs	Microservices	OAuth2/OIDC	Azure AD SSO
RBAC	Real-time/CRDT (Yjs)	TDD & Playwright E2E	Code Review
Agile			

Work Experience

Senior / Lead Software Engineer

International NGO Safety Organisation (INSO)

📅 04/2023 – present 📍 The Hague, Netherlands

- Technical lead and review/merge owner for **CHDC**, INSO's humanitarian incident-data platform used by NGOs across **28 countries**; review and integrate the bulk of pull requests across two Angular apps and a 7-module Spring Boot (Java 17) backend.
- Scaffolded and led the new **INSO Portal (Angular 20)** from the ground up, wiring it into Azure DevOps CI/CD and Kubernetes (AKS).
- Architected a **real-time collaborative reporting platform** — TipTap rich-text editor with Yjs/Hocuspocus CRDT sync, document version history, and a publishing workflow — on a Spring Boot backend.
- Designed a hierarchical **role-based access control (RBAC)** system with **Azure AD SSO (MSAL/OAuth2)**, method-level authorization, and admin user-management APIs and UI.
- Drove a multi-year Angular modernization (v16 → 18, control-flow & inject() DI migrations, strict-typing lint hardening) and operate production data/search infrastructure: Apache Solr + Zookeeper, CouchDB, Redis, and Azure Blob, with Flyway migrations, secrets management, and resource right-sizing.

Software engineer

International NGO Safety Organization (INSO)

📅 10/2021 – 04/2023 📍 The Hague, Netherlands

- Built **INSO Alerts**, a cross-platform Flutter (BLoC) mobile app delivering real-time security alerts to NGO staff, as primary developer from the initial commit; **shipped to both the Apple App Store and Google Play**.
- Implemented Firebase push notifications, Google Maps geospatial features (proximity-radius filtering,

Work Experience

polygon geofencing), offline support (Hive), and OAuth2/OIDC authentication.

- Built the **Purchase Request Tool** end-to-end (Spring Boot 2.7 / Java + React 17): a multi-stage requester → reviewer → authorizer approval workflow with Azure AD SSO, multi-currency support, and automated signed-PDF generation to SharePoint.
- Delivered core CHDC incident features (advanced geospatial/narrative search filters, Solr integration, CouchDB conflict resolution) and contributed to the **Partners Portal** (PHP/CodeIgniter + Doctrine): multi-tier RBAC, Azure AD SSO, and onboarding of 5+ operating countries via automated GeoJSON-to-SQL boundary generation.

Software engineer

World Health Organization (WHO)

 09/2018 – 12/2021  Kabul, Afghanistan

- Delivered multiple full-stack applications with Angular, Node.js, and Spring Boot for health-emergency response.
- Designed custom dashboards providing real-time data insights for decision-makers.
- Automated workflows with Batch, PowerShell, and Python scripts, reducing repetitive manual tasks.
- Trained health-facility staff, improving adoption and reducing support load.

Full stack developer

Information Management & Mine Action Program (iMMAP)

 05/2018 – 09/2018  Kabul, Afghanistan

- Developed secure web applications with the MEAN stack, strengthening humanitarian data sharing.
- Configured AWS-based deployments for system availability and resilience.
- Delivered location-based analytics for cluster partners, enabling better response planning.
- Implemented QA procedures and performance optimizations to reduce downtime.

Software and Web Developer

Jawad Samsor Consultancy Services (JSCS)

 06/2017 – 05/2018  Kabul, Afghanistan

- Built full-stack web solutions in JavaScript and C++ across multiple client projects.
- Led requirements gathering, design, coding, and testing.
- Developed Arduino-based IoT solutions collecting sensor data via SMS for real-time visualization.
- Improved delivery timelines through proactive risk management and planning.

Front-end Web Developer

Superior Innovative Technologies (SIT)

 01/2016 – 04/2017  Hyderabad, India

- Created single-page applications (SPAs) with AngularJS, improving client UI/UX.
- Optimized frontend performance and load speed.
- Built reusable UI components to speed future development.
- Collaborated with analysts to convert mockups into production-ready applications.

Selected Projects

Technical lead

CHDC (Conflict & Humanitarian Data Centre)

 2021 – present


Angular + Spring Boot (Java 17) incident-data platform on Kubernetes/Azure; Solr search, CouchDB, real-time collaborative reporting.

INSO Portal

 2025 – present

New Angular 20 web app with real-time collaborative report editing (Yjs/CRDT) and Azure AD SSO. Scaffolded and led.

INSO Alerts (Mobile)

 2021 – present

Cross-platform Flutter app (iOS/Android) for real-time NGO security alerts; FCM push, Maps geofencing, offline support. Primary developer; live on both app stores.

PRT (Purchase Request Tool)

 2022

Spring Boot + React internal finance approval workflow with multi-stage authorization and signed-PDF

Selected Projects

generation. Built end-to-end.

IPP (Partners Portal)

 2021 – present

Secure PHP/CodeIgniter partner platform with Azure AD SSO, multi-tier RBAC, and 5+ countries onboarded.

HIM (Health Emergency Information Management & Risk Assessment)

 2018 – 2021

Full-stack platform for health risk assessments and emergency response (WHO).

IMS (Incident Management System)

 2018 – 2021

Led development of real-time incident reporting with geospatial features.

Education

Computer Science | Bachelor's

Osmania University

 04/2013 – 04/2016  Hyderabad, India

Mobile Application Development | Diploma

American University of Afghanistan

 09/2019 – 09/2020  Kabul, Afghanistan

Volunteering

Software Developer

National Statistics and Information Authority (NSIA)

 Kabul, Afghanistan

- Developed **Public Services and AITAS** platforms, enhancing government service delivery.
- Designed **dynamic forms and charts** for agencies, improving data accessibility.
- Collaborated on API development and system optimization, improving response times.