

Khalid Ahmad

Senior Software Engineer | .NET • Node.js • React • Cloud Applications

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GitHub: <https://github.com/metz97> .

Professional Summary

Senior Software Engineer with 12+ years of experience building scalable enterprise applications, SaaS platforms, internal business systems, and high-traffic web applications across fintech, construction technology, insurance, banking, and government-related industries.

Experienced in designing and developing modern backend and frontend systems using .NET Core, Node.js, NestJS, React, Angular, GraphQL, PostgreSQL, Elasticsearch, SQL Server, and cloud-based architecture. Proven track record collaborating with international teams and delivering production-ready software for global companies.

Strong problem-solving skills, quick adaptability, and experience working in agile development environments. Passionate about clean architecture, scalable APIs, performance optimization, and continuous learning.

Key strengths:

- Full Stack Development (.NET, Node.js, React, Angular)
 - REST API & GraphQL Development
 - PostgreSQL, SQL Server, Oracle, Elasticsearch
 - Cloud & Enterprise Application Development
 - Remote Collaboration & Cross-functional Communication
 - Agile Development & Feature Delivery
 - System Integration & Performance Optimization
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Technical Skills

Backend

- C#, ASP.NET MVC, .NET Core / .NET 8
- Node.js, NestJS, LoopBack
- PHP, CodeIgniter 3 & 4
- REST API, GraphQL

Frontend

- React.js

- Angular
- Razor Pages
- Bootstrap
- Kendo UI
- Material UI
- JavaScript / TypeScript

Databases & Search

- PostgreSQL
- Microsoft SQL Server
- MySQL
- Oracle Database
- Elasticsearch

Cloud & Tools

- AWS
- Azure
- Docker
- Jira
- Git
- Bitbucket
- Figma
- Confluence
- SharePoint
- Visual Studio
- Visual Studio Code
- SSIS
- Crystal Reports

Additional Skills

- Enterprise Application Development
- Software Architecture
- API Integration
- Agile / Scrum

- Requirement Gathering
 - Bug Fixing & Maintenance
 - Technical Documentation
 - Performance Optimization
 - AI Engineering
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Professional Experience

PT. Hubexo, Full Stack Engineer | October 2021 – Present

Worked on enterprise-scale construction technology platforms used across international markets.

Key Technologies

.NET Core 8, Node.js, PHP, CodeIgniter 3 & 4, LoopBack, React, Angular, GraphQL, PostgreSQL, Oracle DB, Elasticsearch, AWS

Responsibilities

- Developed and maintained scalable full stack applications for international users.
- Built and enhanced REST APIs and GraphQL services.
- Implemented new business features and optimized existing systems.
- Collaborated with cross-functional teams in agile environments.
- Improved application performance and database queries.
- Participated in architecture discussions and technical problem solving.

Notable Projects

Archify

Developed websites for Architectural product and building materials platform.

- Tech Stack: PHP (CodeIgniter 3 & 4), MySQL
- Website: <https://www.archify.com/>

LeadManager

Construction sales leads management platform.

- Tech Stack: Node.js, LoopBack, Oracle DB, Elasticsearch, React
- Website: <https://www.bcicentral.com/leadmanager/>

NBS Source

Developed website for Construction product specification platform.

- Tech Stack: .NET Core 8, Angular, PostgreSQL, Elasticsearch, GraphQL.

- Website: <https://source.thenbs.com/>

NBS LCA

Developed website for trusted data for sustainable outcomes. A new way to specify low-carbon materials.

- Tech Stack: NestJs, React, PostgreSQL, Elasticsearch, GraphQL, AWS Athena
- Website: <https://lca.thenbs.com/>

RIBA CPD

Developed website for Professional education and specification platform.

- Tech Stack: .NET Core 8, React, PostgreSQL, Elasticsearch, GraphQL
 - Website: <https://www.ribacpd.com/>
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PT. Indocyber Global Teknologi, Full Stack Developer | April 2020 – October 2021

Developed and maintained website and backend system for enterprise electronic document systems for insurance operations.

Key Technologies

ASP.NET, SQL Server, SSIS, Crystal Reports

Responsibilities

- Developed electronic document and transaction statement systems.
 - Built automated email and SMS notification workflows.
 - Implemented fallback SMS delivery systems.
 - Maintained reporting and operational applications.
 - Gathered requirements for change requests.
 - Delivered bug fixes and production support.
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PT. Berlian Sistem Informasi, Full Stack Developer | December 2018 – March 2020

Developed enterprise internal systems and workflow automation platforms on Automotive Industries.

Key Technologies

ASP.NET, SQL Server, SharePoint, K2 Black Pearl

Responsibilities

- Developed and maintained internal enterprise systems.
- Implemented change requests and business workflows.

- Gathered user requirements and translated them into technical solutions.
- Provided production maintenance and troubleshooting.

Projects

- MMKSI Groupware System
- CBU Problem Handling System
- KTB Groupware System

PT. Satu Solusi Indotama, Full Stack Developer | September 2016 – December 2018

Software house specializing in developing enterprise applications for banking, warehouse management, and internal business systems.

Key Technologies

ASP.NET MVC, SQL Server, Kendo UI

Projects

- Warehouse Management System
- Call Center System
- Bank Mandiri Auction Platform
 - Website: <https://lelang.bankmandiri.co.id/>
- BHT Application System

Responsibilities

- Developed new application features.
- Implemented change requests.
- Conducted bug fixing and system maintenance.
- Collaborated directly with business stakeholders.

PT. Cipta Srigati Lestari, Software Engineer | August 2015 – August 2016

Developed smart card and SIM-based applications on Telecommunication Industries.

Key Technologies

Java, Eclipse IDE, Smart Card Systems

Responsibilities

- Developed applications for SIM and smart card systems.
- Implemented prepaid and security-related features.

PT. Smartweb Indonesia, Software Engineer | June 2014 – July 2015

Worked on payment applications for EDC (Electronic Data Capture) devices for Banking Industries.

Key Technologies

C, C++, Visual Studio, EDC Systems

Responsibilities

- Developed payment applications for EDC devices.
- Maintained transaction-related software systems.

Freelance & Side Projects

Silancar, Software Engineer | June 2024 – Present

Developed application for Police patrol management platform.

Technologies

NestJS, PostgreSQL, Portainer, Jenkins, Konga, Adminer, Keycloak, Elasticsearch, Minio, Kafka

Responsibilities

- Developed backend APIs and business logic.
- Designed scalable backend architecture.
- Implemented database structures and integrations to third party API.

Website: <https://silancar.com/>

E-Commerce Platform, Solution Architect | August 2017 – February 2018

Responsibilities

- Designed overall system architecture.
- Developed website and backend systems.
- Managed deployment and hosting.

Teaching Experience

Gunadarma University, College Teacher | September 2014 – February 2017

- Teaching first-year university students.
 - Assisted students with soft skills.
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Education

Gunadarma University, Master's Degree (M.T.) in Electrical Engineering, 2014 - 2016
GPA: 3.47 / 4.00

Gunadarma University, Bachelor's Degree (S1) in Computer Systems, 2009 - 2013
GPA: 3.47 / 4.00

Languages

- Indonesian - Native
- English - Professional Working Proficiency