



Roy Natanael Nainggolan

Software Engineer | Fullstack

Software Engineer with 7+ years of experience building scalable enterprise systems in the insurance and telecommunications industries. Experienced in designing reliable backend services and delivering production-ready applications used by real business operations.

Contact

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Address

Griya Asri Blok B3 No.10
Jelupang - Tangerang Selatan

Education

2017
STT. Sinar Husni Medan

Expertise

- Backend Development (.NET / C#)
- REST API Development
- SQL Server & Database Optimization
- ReactJS Frontend Development

Language

English

Bahasa

Experience

2022 - Present PT Asuransi Astra Buana Fullstack Developer

Responsible for developing and maintaining several digital healthcare services integrated into the Medicare mobile application. Worked on both backend services and frontend interfaces delivered through webview technology.

Key Responsibilities:

- Developed backend services using .NET and SQL Server to support healthcare-related features for insurance members.
- Implemented frontend interfaces using ReactJS, integrated into the mobile application through webview.
- Designed and optimized database queries using Stored Procedures and CTE to ensure system performance and efficiency.
- Collaborated with mobile developers, product teams, and backend engineers to deliver stable and scalable features.

Projects

- **Wellness**
A feature designed to help insurance members monitor and manage their health-related activities and information.
- **E-Appointment**
An online appointment booking system that allows users to schedule consultations with doctors from partner hospitals.
- **E-Consultation**
A live chat consultation feature enabling users to communicate directly with doctors through the Medicare application.

Tech Stack

.NET, SQL Server, Stored Procedures, CTE, ReactJS (WebView)

Experience

○ **2021 – 2022**

PT Febe Teknologi Digital

Backend Developer

Developed backend systems for an application used to calculate and estimate the total cost required to build telecommunication towers. The system was developed for Protelindo, one of the largest telecommunications infrastructure providers in Indonesia.

Key Responsibilities:

- Developed backend APIs and business logic using .NET.
- Implemented data access and ORM using Entity Framework.
- Designed database structures and queries to support complex cost calculation processes.
- Contributed to the development of a system used for infrastructure investment estimation.

Tech Stack

.NET, Entity Framework, SQL Server

○ **2019 - 2021**

PT Mitra Talenta Grup

Enterprise Application Developer

Worked on several enterprise software projects for both internal systems and external clients.

Key Responsibilities:

- **PT Crowde Membangun Bangsa**

Developed frontend interfaces for a lender management dashboard, used to monitor and manage lender activities within the Crowde platform.

- **Internal Attendance System**

Developed backend services for an internal employee attendance system, used for recording and managing employee attendance data.

Technical Skills

- Backend Development

.NET / C#, REST API Development, Entity Framework

- Frontend Development

ReactJS, NextJS, Typescript, Javascript, HTML, Tailwind, CSS

- Database

Microsoft SQL Server, Stored Procedures, Common Table Expressions (CTE), Query Optimization

- Infrastructure & Deployment

Docker, Linux Server Setup, Nginx Configuration

Key Strengths

- Experience in backend development using the .NET ecosystem
- Experience building enterprise applications used in real production environments
- Comfortable working across fullstack development (backend and frontend)
- Experience working with SQL performance optimization and database design
- Experienced in collaborating within cross-functional software development teams