



# Ibnu Hafidzh

Developer / Engineer

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## About Me

Results-driven and highly organized bilingual/multilingual Developer with over 10 years of experience in coding C# within a .Net / .Net Core framework and other framework / development tools. Skilled in creating customized add-ons and full applications that meet client requirements and enhance business functionality. Adaptable to working under tight deadlines and managing conflicting priorities. Capable of finding innovative solutions to meet client needs using the latest technologies. Recognized for developing exceptional software solutions that address clients' most challenging problems by leveraging industry-standard and cutting-edge technologies. Implements test-driven development practices and effectively identifies, troubleshoots, and resolves software defects to ensure timely project completion and surpass client expectations. A creative and analytical thinker who excels in solving complex technical issues and optimizing project outcomes.

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## Core Competencies

Application Design Programming and Development, Technical Solutions, Code Conversion, Quality Assurance, Database Design, Project Management, Production Planning, Agile Development, Team Leading, Client Communication, Fast Adaptive with any tools or team.

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## Skills / Tools

### Integrated Development Environment

(IDE) : Visual Studio [1,2,3](#), Visual Studio Code [1,2](#), UiPath [1](#), Android Studio.

Programming Tools : Notepad++.

Front End Programming : Net Core [1,2,3](#), Angular [1,2](#), Html [1](#), JavaScript [1](#), jQuery [1](#).

Back End Programming : Net Core [1,2,3](#), NodeJS [1,2](#).

Mobile Programming : Android Java, Xamarin.

Programming : C#, PowerShell [1](#), TYPESCRIPT [1,2](#).

Database SQL : Oracle, SQL Server [1](#), MySQL, SQLite, MariaDB, Postgre.

Database NOSQL : Mongo Db<sup>1</sup>, Google Firebase<sup>1</sup>.

Hosting : Azure App Sites<sup>1,2,3</sup>, Google Firebase<sup>1</sup>, GitHub Page<sup>1</sup>, Shared – VPS Hosting.

CICD / DevOps : Azure DevOps<sup>1,2,3,4,5</sup>, GitHub Action Workflow<sup>1,2</sup>.

Version Control : Azure DevOps<sup>1,2,3,4,5</sup>, GitHub<sup>1,2</sup>, TFS 2018<sup>1,2,3,4</sup>.

### Project Management

Methodologies : Agile.

Languages : Indonesia and English.

\* Each of skill already link to bookmark, click if you want to see the detail.

\* Click for link to bookmark of [education](#) and [expected salary](#).

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## Professional Experience

### DevOps And Automation Developer | PT. PERTAMINA Persero | Jakarta, Bandung

2/2021 – 5/2023

providing **end-to-end technical advisory**, including **designing** and **developing applications/APIs** using **Visual Studio**, **UiPath Studio**, and **Visual Studio Code**. ensure the applications are **ready for publishing** and **going live** after **obtaining necessary approvals**. also **create documentation** such as **manual book**, **solution designs**, and **business relation documents**, **user acceptance test**. If required, **remotely manage servers** to **ensure software requirements** are **met** and **create installation guides** for **server applications**. After the documentation is **approved**, **organize monitoring session** of the application up to **three** until **six months** with the **goal of zero defects**. also **organize training sessions** to **ensure users** are **proficient in using the software**. **Additionally**, lead a **DevOps division** and **support maintenance tasks** such as **analyzing source**

code, optimizing projections on database and coding, and creating manual and automation test scenarios using UiPath, Selenium, NUnit, and Xunit.

**Achievement:**

**Lead DevOps Team successfully integrated OWASP Dependency Check tools on the build pipeline in TFS 2018 and Azure DevOps. applied this rule to 25 projects in Azure DevOps and 250 projects in TFS 2018. Additionally, reduced the LOC (license of code) in SonarQube from 28,000,000 to 21,537,000 in 250 projects in TFS 2018. also enhanced the Webhook API Website to catch all events in the pipeline (build, test, and release) in TFS 2018 and Azure DevOps. also implemented PowerBI integration on the pipeline (Build) in TFS 2018.**

**Lead QA team developed continuous and manual testing, including user interface tests, API tests, and integration tests using UiPath, Selenium, NUnit, and Xunit.**

**has developed a total of 2 ASP.NET applications with SQL Server as the database, 1 ASP.NET application with Oracle as the database, 1 ASP.NET application with SharePoint Excel as the database, and 1 API application ASP.NET with SAP ABAP WSDL/ASMX as the data source. also contributed to bug fixing and enhancing features in a .NET Core application, contributed to 2 other .NET Core applications by adding continuous testing for user interface, API, and dependency injection. Finally developed 6 applications using UiPath Studio.**

**Tech Stack:**

- Integrated Development Environment (IDE): Visual Studio 2018-2022, UiPath Studio.
- Additional Tools: Notepad++, SonarQube, OWASP Dependency Check.
- Framework: .Net Core 2 - 5.0, .Net Framework 3 – 4.8.
- Front End: .Net Core, Asp.Net.
- Back End: .Net Core, Asp.Net.
- Programming Language: C# / PowerShell.
- Databases: SQL Server, Oracle, SharePoint Excel.
- Hosting: Intranet Production Server.
- Version Control: Azure DevOps, TFS 2018.
- CI/CD / DevOps: Azure DevOps, TFS 2018.
- Documentation: Business requirement documentation, solution design, User Acceptance Test, manual book, server and application installation book.

**IT Engineer | PT. PJM | Jakarta, Tangerang**

10/2017 – 5/2018

**Develop and migration backbone network of PLN Jakarta Area using Ruggedcom RX500, similar to a Cisco router. following discussions with the manager and relevant users also monitoring and integrate the ruggedcom until it was ready for use. Additionally, created supporting documents such as User Acceptance Test, a manual book, and a server and application installation book.**

**Support and assist Lead Engineer on Soekarno Hatta Airport on Scada Siemens PLC and also created documented based on test data and drawing result.**

**the role of Middle IT Engineer and Technical Writer.**

**Achievement:**

- Successful placement, configuration, and monitoring of Ruggedcom devices on 13 sites related to PLN Jakarta area.
- Monitoring all devices Ruggedcom that connected to the network.

**Tech Stack:**

- Ruggedcom RX500 (for network integration)
- Cisco router (as a reference for the integration)

## **IT Software Engineer | PT. Rockwell Automation Indonesia | Jakarta, Bogor, Cikarang**

9/2015 – 2/2016

**Developed** and **deployment** application from **scratch** using **various technologies** based on **approved** manager and assistant manager, included **application development**, **deployment**, and **monitoring**, also created **various supporting documents** like **solution design**, **scope of work** **user acceptance test**, **manual book**, **application installation book on server** and have expertise in **continuous testing**, **bug fixing**, and **server maintenance**.

### **Achievements:**

- Successful connection and configuration of **weighing machines** using **serial port** and **Modbus**.
- Creation of **responsive reporting websites** for **daily**, **weekly**, **monthly**, and **yearly reports**, along with **device monitoring** based on **connected machines**.

### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2012.**
- **Additional Tools: Notepad.**
- **Framework: .NET Framework 3.5.**
- **Front End: Asp.Net.**
- **Back End: Asp.Net.**
- **Programming Language: C#.**
- **Databases: SQL Server.**
- **Hosting: Intranet Production Server.**
- **Documentation: User Acceptance Test, manual book, server and application installation book.**

## **IT Software Engineer | PT. Siemens Indonesia | Jakarta, Padang, Gunung Putri.**

4/2013 – 3/2014

**Developed** and **deployment** application from **scratch** using **various technologies** based on **approved** manager and assistant manager, included **application development**, **deployment**, and **monitoring**, also created **various supporting documents** like **solution design**, **scope of work** **user acceptance test**, **manual book**, **application installation book on server** and have expertise in **continuous testing**, **bug fixing**, and **server maintenance**.

### **Achievements:**

- Successfully connected and configured cement machines using serial port and Modbus at Semen Padang IndarungV Cement Plant and Gunung Putri Indocement Plant.
- Created a reporting responsive website for generating daily, weekly, monthly, and yearly reports and monitoring the connected machines.
- Integrated Cisco devices into the related network.
- Conducted training for Semen Padang IndarungV staff based on the provided supporting documents.
- communicated with SAP ABAP Engineer team of inducement gunung putri for developing custom api.

### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2012.**
- **Additional Tools: Notepad.**
- **Framework: .NET Framework 3.5.**
- **Front End: Asp.Net.**
- **Back End: Asp.Net.**
- **Programming Language: C#.**
- **Databases: SQL Server.**
- **Hosting: Intranet Production Server.**
- **Documentation: User Acceptance Test, manual book, server and application installation book.**

## **Net Programmer | PT. Mb Solution | Jakarta**

9/2012 – 12/2012

modified a subdistrict application built using ASP.NET and integrated it with Google Maps. also created supporting documents such as User Acceptance Test, a manual book, and a server and application installation book.

### **Achievements:**

- Successful modification of the subdistrict application to incorporate Google Maps functionality.
- Integration of Google Maps to enhance the application's features and provide location-based services.
- Creation of User Acceptance Test, a manual book, and a server and application installation book to support the application's implementation and usage.

### **Tech Stack:**

- Integrated Development Environment (IDE): Visual Studio 2012.
- Additional Tools: Notepad.
- Framework: .NET Framework 2.0.
- Front End: Asp.Net.
- Back End: Asp.Net.
- Programming Language: C#.
- Databases: SQL Server.
- Hosting: VPS Hosting.
- Documentation: User Acceptance Test, manual book, server and application installation book.

## **Web Programmer | IndoReviews | Jakarta**

4/2012 – 7/2012

created and deployed websites using Joomla, WordPress, and PrestaShop and also added search engine optimization (SEO) elements to optimize the websites for search engines. Additionally, modified a Facebook app.

### **Achievements:**

- Successful creation and deployment of websites using Joomla, WordPress, and PrestaShop, utilizing their respective functionalities and features.
- Addition of search engine optimization (SEO) elements to improve the visibility and ranking of the websites in search engine results.
- Modification of a Facebook app to enhance its functionality or meet specific requirements.

### **Tech Stack:**

- Content Management Systems: Joomla, WordPress, PrestaShop.
- Additional Tools: Various search engine optimization (SEO) plugins and techniques specific to each content management systems
- Facebook API: Used for modifying the Facebook app

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## **Freelance Experience**

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## **Freelance IT Developer | H.Z NET**

10/2012 - Present

iScada | 6/2023 – 7/2023

Developed and deployment web application system for drag and drop template for Scada and LOT project based on user preferences coding skill and have capability for update the data from swagger Api that design from scratch, developed using Net Core 6.0 and MONGGODB.

Demo Net Core 6.0 publish on azure app service: <https://iscada.azurewebsites.net>.

YouTube playlist: <https://www.youtube.com/playlist?list=PLgDxF9yUj0-0YV6NNCAFGI6i3dzZF89Zd>.

### **Tech Stack:**

- Integrated Development Environment (IDE): Visual Studio 2022
- Framework: .Net Core 6.0 / HTML5 / CSS3 / Javascript.

- Front End: .Net Core 6.0.
- Back End: .Net Core 6.0.
- Programming Language: C# / Javascript.
- Databases: MongoDB.
- Hosting: Azure App Sites.
- Version Control: Azure DevOps.
- CICD / DevOps: Azure DevOps.

EPOS | 6/2023 – 7/2023

Reengineered a POS/Inventory web application system from .Net Framework into Net Core 6.0 and SQL Server into MONGGODB and integrated with Google Analytics.

Demo Net Core 6.0 publish on azure app service: <https://poshz.azurewebsites.net>

#### Tech Stack:

- Integrated Development Environment (IDE): Visual Studio 2022
- Framework: .Net Core 6.0 / HTML5 / CSS3 / Javascript.
- Front End: .Net Core 6.0.
- Back End: .Net Core 6.0.
- Programming Language: C# / Javascript.
- Databases: MongoDB.
- Hosting: Azure App Sites.
- Version Control: Azure DevOps.
- CICD / DevOps: Azure DevOps.

Portfolio Website | 6/2023

Reengineered a portfolio website from .Net Framework into Net Core 6.0 and SQL Server into Google Firebase and integrated with Google Analytics. also created Angular version with Net Core Api.

demo Angular 16.0 Bootstrap 5 publish on google firebase: <https://mycv-b912f.firebaseio.com/>

demo Net Core 6.0 Angular 16.0 Bootstrap 5 and publish on azure app sites: <https://ibnuhzjs.azurewebsites.net/>

demo Net Core 6.0 Html 5 CSS 3 Bootstrap 4.5 and publish azure app service: <https://ibnuhz.azurewebsites.net>

#### Tech Stack:

- Integrated Development Environment (IDE): Visual Studio 2022
- Framework: .Net Core 6.0 / AngularJS
- Front End: .Net Core 6.0 / Angular.
- Back End: .Net Core 6.0 / NodeJS.
- Programming Language: C# / Typescript / Javascript.
- Databases: Google Firebase.
- Hosting: Azure App Sites / Github Page / Firebase Hosting.
- Version Control: Azure DevOps, Github.
- CICD / DevOps: Azure DevOps, Github Action.

H.Z Net | 5/2018 – 1/2021

building a game center and IT shop in Leuwiliang also developed an auto-close browser and program using Visual Studio, created a billing system for the game center and IT shop, and created a YouTube account to upload their software.

#### Achievements:

- Successful establishment of a game center and IT shop in Leuwiliang.
- Creation of an auto-close browser and program using Visual Studio.
- Development of a billing system for the game center and IT shop.
- Creation of a YouTube account to share their software with others.

**Tech Stack:**

- Integrated Development Environment (IDE): Visual Studio 2019.
- Framework: .Net Framework 4.5.
- Front End: ASP.Net.
- Back End: ASP.Net.
- Programming Language: C#.
- Databases: SQL Server, MySQL, SQLite.
- Hosting: Shared Hosting and local

EPOS - H.Z Net | 2/2017 – 3/2017

experience in reengineering and developing a **Point of Sales (POS)** website, which was originally a **desktop POS application**. The website includes all the necessary functions for **POS and inventory management**.

**Achievement:**

- Successful reengineering and development of the **POS website** with all the required features.

**Tech Stack:**

- Integrated Development Environment (IDE): Visual Studio 2015.
- Framework: .Net Framework 4.5.
- Front End: ASP.Net.
- Back End: ASP.Net.
- Programming Language: C#.
- Databases: SQL Server.
- Hosting: local.

PT. EPC Indonesia | 12/2016 – 2/2017

**Developed** and **deployment** application from **scratch** using **various technologies** based on **approved** manager and assistant manager, included **application development, deployment, and monitoring**, also created **various supporting documents like solution design, scope of work user acceptance test, manual book, application installation book on server** and have expertise in **continuous testing, bug fixing, and server maintenance**.

**Achievements:**

- Successful connection and configuration of **integrating cement machines** using **serial port** and **Modbus**.
- Creation of **responsive reporting websites** for **daily, weekly, monthly, and yearly reports**, along with **device monitoring based on connected machines**.

**Tech Stack:**

- Integrated Development Environment (IDE): Visual Studio 2012.
- Framework: .Net Framework 3.5.
- Front End: ASP.Net.
- Back End: ASP.Net.
- Programming Language: C#.
- Databases: SQL Server.
- Hosting: local.

iResi H-Z.Net | 10/2016 – 12/2016

developing an **Android application** and a **website** for **tracking and finding shipment (resi) information** from **various courier services** such as JNE, JNT, POS, TIKI, and others. also incorporated a feature to find the **cost of airways for domestic and international routes**. The Android application is available on the Play Store [play store link](#).

**Achievement:**

- Successful development of an **Android application** and **website** for **tracking and finding shipment information**.
- Inclusion of a feature to find the **cost of airways** for **domestic and international routes**.



- Publishing the Android application on the Play Store.

#### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2012 (Xamarin Android).**
- **Framework: .Net Framework 3.5.**
- **Front End: ASP.Net.**
- **Back End: ASP.Net.**
- **Mobile Framework: Android.**
- **Programming Language: C#.**
- **Databases: SQL Server, SQLite.**
- **Hosting: Shared Hosting.**

iMikrotik H-Z.Net | 9/2015 – 12/2015

developed a system based on **Winbox** and **Userman** using **MikroTik API** for a **paid Wi-Fi membership service**. The **system** includes an **ASP.NET web version** and **several desktop applications** for **scheduling** and **logging**. The **desktop applications** include **iMikrotik Tools**, **iMikrotik SMS Gateway**, **iMikrotik Traffic Counter**, and **iMikrotik Userman**. The system provides **features** such as **removing DHCP lease**, **restarting MikroTik** and **TPLINK devices**, **kicking idle users**, **adding hotspot users**, **sending payment notifications via SMS and email**, **resetting Wi-Fi member counters**, **disabling unpaid Wi-Fi users**, **tracking bandwidth usage**, **managing Wi-Fi member accounts**, **generating QR code login images**, and **viewing SMS activity and changing passwords**.

#### **Achievements:**

- Successful development of a system using Winbox and Userman with MikroTik API for a paid Wi-Fi membership service.
- Creation of an ASP.NET web version and various desktop applications for scheduling and logging.
- Implementation of features such as DHCP lease management, device restart, user kicking, and hotspot user management.
- Development of features like payment notification, counter reset, and Wi-Fi user disabling for the SMS Gateway application.
- Creation of a traffic counter application to track bandwidth usage from Wi-Fi members.
- Development of a user management application (Userman) with features like QR code login image generation, bandwidth usage tracking, SMS activity viewing, and password changing.

#### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2012.**
- **Framework: .Net Framework 3.5.**
- **Front End: ASP.Net.**
- **Back End: ASP.Net.**
- **Mobile Framework: Android.**
- **Programming Language: C#.**
- **Databases: SQL Server, SQLite.**
- **Hosting: Shared Hosting.**

Mini POS for Pulse and PPOB H-Z.Net | 9/2015 – 12/2015

developed a **Point of Sales (POS)** application for **selling pulse** and **PLN vouchers** on a **Windows desktop application**. The application includes **features** such as **adding new transactions** for **selling pulse** and **PLN vouchers**, **adding new downlines** and **transferring amounts to downlines**, **changing the master selling price of products**, **viewing detailed transaction history**, **profit**, and **sales per day, month, and year**. The application also allows for **importing data into word, excel, and PDF formats**.

#### **Achievements:**

- Successful development of a Point of Sales application for pulse and PPOB (Payment Point Online Bank) services.
- Implementation of features such as transaction recording for selling pulse and PLN vouchers, managing downlines and transferring amounts, and adjusting product prices.

- Inclusion of detailed transaction history, profit tracking, and sales analysis per day, month, and year.
- Ability to import data into various formats such as word, excel, and PDF.

#### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2012.**
- **Framework: .Net Framework 3.5.**
- **Front End: ASP.Net.**
- **Back End: ASP.Net.**
- **Mobile Framework: Android.**
- **Programming Language: C#.**
- **Databases: SQL Server.**
- **Hosting: Shared Hosting.**

All Islam – H.Z Net | 9/2015 – 12/2015

**reengineered an Android application** that focuses on **providing Islamic information**. The **application** includes features such as displaying the **Quran with ayah, Latin, meaning, and ayah meaning, showing prayer times based on device location with auto-updates every 10 minutes, sending notifications for Adan and pre-Adan times, displaying a daily notification to remind users to read the Quran, providing information about the Pillars of Islam and faith, and collecting doa (prayers) and hadiths (sayings of the Prophet Muhammad).** [play store link](#)

#### **Achievements:**

- Successful reengineering of an Android application with a focus on Islamic information.
- Implementation of features such as displaying the Quran with various details, providing accurate prayer times based on location, sending notifications for Adan and pre-Adan times, and reminding users to read the Quran daily.
- Inclusion of information about the Pillars of Islam and faith, as well as a collection of doa and hadiths.
- Publishing the application on the Play Store.

#### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2010 (Xamarin Android)**
- **Additional Tools: Notepad++**
- **Framework: .NET Framework 3.5**
- **Platform: Android**
- **Programming Language: C#**
- **Databases: SQLite**

iComline Android and Windows Phone – H.Z Net | 11/2014 – 1/2015

developed an **Android and Windows Phone application based on the Commuter Line in Indonesia**. The **application** includes **features** such as **detecting nearby train stations based on location every minute, displaying the next trains at nearby stations, and providing a schedule of train timings.** [play store link](#)

#### **Achievements:**

- Successful development of an Android and Windows Phone application focused on the Commuter Line in Indonesia.
- Implementation of features such as real-time detection of nearby train stations based on user location.
- Inclusion of functionality to display the next trains at nearby stations.
- Provision of a train schedule feature for users.

#### **Tech Stack:**

- **Integrated Development Environment (IDE): Visual Studio 2010 (Xamarin Android)**
- **Additional Tools: Notepad++**
- **Framework: .NET Framework 3.5**
- **Platform: Windows Phone, Android**
- **Programming Language: C#**
- **Databases: SQLite**



Project name | Pocket Islam App – H.Z Net | 10/2012 – 2/2013

developed an **Android application** that **provides information** about the **five pillars of Islam**, namely **Hajj, Prayer, Fasting, Confession of Faith, and Charity**. The application aims to educate and provide resources related to these fundamental aspects of **Islamic practice**. [play store link](#)

**Achievements:**

- Successfully developed an Android application focused on Islamic information about the five pillars of Islam.
- Inclusion of comprehensive and accurate information about Hajj, Prayer, Fasting, Confession of Faith, and Charity.
- Provision of resources and educational material to help users understand and practice these pillars of Islam.
- Creation of a user-friendly interface for easy navigation and access to the information.

**Tech Stack:**

- **Platform:** Android
- **Programming Language:** Java 8.
- **Integrated Development Environment (IDE):** Android Studio
- **Libraries/Frameworks:** Android SDK
- **Databases:** SQLite

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## Education

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**BACHELOR OF MANAGEMENT | STIE ADHY NIAGA**

Major: Management GPA: 3.21 Graduation Year: 2013

**ASSOCIATE OF COMPUTER ENGINEERING | ELRAHMA EDUCATION CENTRE**

Major: Computer Engineering GPA: 3.33 Graduation Year: 2012

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## Expected Salary

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Up to **IDR 16,000,000** Monthly

**Negotiable based on the company's compensation package**

Up to **IDR 192,000,000** annually

**Negotiable based on the company's compensation package**

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