

# Muhamad Haiqal Bin Che Pin

## Computer Science Graduate

Email Address: [haiqalchepin07@gmail.com](mailto:haiqalchepin07@gmail.com)

Contact Number: +6011-62476187

Location: Sungai Petani , Kedah

Linkedin Link: [www.linkedin.com/in/haiqal-chepin](https://www.linkedin.com/in/haiqal-chepin)



## Professional Summary

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### Software Development | Cloud & IoT Integration | UI/UX Design

Passionate Computer Science graduate with a strong foundation in object oriented programming, web development and software design. Proficient in Javascript, C++ and C#, with hands-on experiences using Git, VS Code and collaborative development tools. Recognized for analytical mindset, excellent time management and cross-functional collaboration in academic projects and coding sprints. Completed a final year project developing an IoT application aimed to improve rehabilitation centers and healthcare providers operational. Currently seeking an entry level web developer or software engineer role to contribute to innovative, user-centric tech solutions.

## Education

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Bachelors of Computer Science (Majoring in Computing Infrastructure) 2025  
Universiti Sains Malaysia

- Final Year Project Topic: IoT Based Smart Shoes System for Rehabilitation Monitoring using Cloud Computing
  - Developed an IoT smart shoes system using ESP32, FSR, and MPU6050 sensors with MQTT to AWS IoT Core, DynamoDB, API Gateway, and IAM, plus a web dashboard (HTML, CSS, JavaScript) hosted on AWS EC2 for real-time patient management and rehabilitation tracking.

Diploma Information Technology (Digital Technology) 2021  
Politeknik Balik Pulau

- CGPA: 3.49
- Dean's List Award
- Final Year Project Topic: RFID Temperature Scanner
  - Designed an IoT-based RFID temperature scanner to automate student health monitoring and quickly identify potential Covid-19 cases.
  - Integrated RFID reader with temperature sensor using Arduino (C++), implemented real-time health classification logic, designed a database schema for efficient record management, and developed dashboards for health assistants to monitor and respond to alerts.

## Certifications

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Certification Title: Associated Web Developer (AWD)

Issuing Organization: JS Institute

Year of Certification: 2026

## Work Experience

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Software Developer (Internship)  
IT Chenta Enterprise

March 2024 - August 2024

- Developed and maintained web applications using C#, ASP.NET Core, Blazor, and MudBlazor, boosting application responsiveness and user satisfaction by 15%.
- Implemented and optimized interactive user interfaces with MudBlazor components, reducing page load times by 20% and improving accessibility.
- Performed code reviews, debugging, and performance tuning, decreasing defects during testing phases by 30% and enhancing reliability.
- Deployed and tested applications in hybrid (on-premises and cloud) environments, ensuring 99% uptime and seamless integration across platforms.
- Collaborated with a cross-functional team of developers to deliver project modules on time and maintain secure coding practices aligned with industry standards.

IT Support Technician (Internship)  
Northern Asia Resources Sdn Bhd

Jan 2021- June 2021

- Provided technical support for desktops, laptops, printers, and business applications, resolving an average of 20+ support tickets per week and reducing system downtime by 15%.
- Troubleshooting and resolving hardware, software, and network issues promptly, achieving a 95% first-contact resolution rate and enhancing end-user satisfaction.
- Installed, configured, and upgraded operating systems, productivity tools, and business applications to align with organizational standards and improve performance.
- Maintained and documented support tickets, diagnostic procedures, and solutions in IT service management systems (ITSM) to streamline knowledge sharing and improve service efficiency.
- Collaborated with cross-functional teams to implement best practices in IT support, contributing to increased system reliability and adherence to security policies.

## **Technical Skill**

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- Programming Languages : C++, C#, Javascript, HTML/CSS, Java, Php, MySQL, NoSQL
- Software Development Tools : GitHub, VS Code, Microsoft Visual Studio 2022, Docker
- Cloud Platform : Amazon Web Services (AWS)
- UI/UX & Design Tools : Figma, Adobe Photoshop
- Productivity & Documentation Tools : Microsoft Excel, Microsoft Word, Microsoft PowerPoint

## **Soft Skill**

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- Analytical Thinking
- Time Management
- Cross - Functional Collaboration
- Conflict Resolution
- Adaptability

## **Languages**

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- Bahasa Malaysia : Native
- English : Professional

## **References**

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Dr Azman Bin Abd Malik  
Senior Lecturer, Universiti Sains Malaysia  
Tel : +6012-411 1986  
Email : [azman.abdul@usm.my](mailto:azman.abdul@usm.my)

Dr Zarul Fitri Zaaba  
Senior Lecturer, Universiti Sains Malaysia  
Tel : +604 653 4758  
Email : [zarulfitri@usm.my](mailto:zarulfitri@usm.my)