

# MUHAMMAD DANIEL 'IMRAN BIN NOR AZAM

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## PROFILE

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Software Engineer with hands-on experience developing backend services, APIs, and cloud-based systems using Node.js, Python, and AWS. At Astro, I build and enhance middleware workflows that manage subscription and entitlement data across multiple digital content partners, with a focus on reliability, maintainability, and cross-team collaboration. I'm highly motivated to apply my engineering foundation to user-facing web products in the crypto space, particularly platforms that make complex on-chain and market data more accessible.

## EDUCATION

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**International Islamic University Malaysia (IIUM), Gombak**  
Bachelor Of Computer Science (HONOURS) Software Engineering, CGPA:3.52 **October 2021 - December 2025**

**International Islamic University Malaysia (IIUM), Gombang**  
Foundation in Engineering & Computer Science **July 2020 - July 2021**

## CERTIFICATION

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**AWS Solution Architect - Associate** **September 2025**

**CCNA: Introduction to Networks** **January 2023**

## WORK EXPERIENCE

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**Sushi King Sdn. Bhd. – CRM & Digital Intern | Mar 2025 – Sep 2025**

- Developed backend automation scripts (Node.js, Puppeteer) to streamline CRM workflows and reporting.
- Built and optimized promotional landing pages using Wordpress CMS.
- Supported the Sushi King mobile app revamp, replatforming project, ensuring smooth UAT and deployment readiness.

**Astro Malaysia Holdings. – Software Engineer | January 2026 – Present**

- Built and enhanced Middleware 2.0 services in Node.js/Python on AWS to unify OTT partner entitlement management across platforms such as Netflix and Disney.
- Implemented backend actions for customer subscription lifecycle flows, including upgrade, downgrade, resume, and cancellation of OTT entitlements based on package and add-on purchases.
- Contributed to the modernization of Astro's entitlement architecture by helping consolidate partner integrations into a single middleware platform, improving maintainability, reliability, and operational efficiency.
- Collaborated with product owners and downstream teams to refine API requirements and deliver endpoints that supported customer entitlement and channel access workflows.
- Supported internal AI tools by troubleshooting failures and delivering enhancements for products such as the weekly AI report and AI thumbnail generator.

## PROJECTS

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- **Stealthify (MEAN Stack)** - Built a modular data anonymization tool with customizable privacy techniques and a real-time dashboard, improving user data protection.
- **HMU Secure Messaging (Node.js, PostgreSQL)** - Role-based messaging system with JWT & WebSockets.

## SKILLS

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### Cloud & DevOps

Git - Advanced, GitHub Actions - Intermediate, Docker - Intermediate, AWS Services(EC2, CloudFormation, etc) - Advanced

### Programming Languages

Python - Intermediate, JavaScript - Intermediate, Java - Basic, SQL - Basic, C# - Basic, Go - Basic

### Web Development

MEAN Stack - Advanced, HTML/CSS - Advanced, Node.js - Intermediate, Bootstraps - Basic

## ACHIEVEMENT

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### Gold Award - PENDEKAR SIBER YOUTH PROGRAM

June 2023 & January 2024

- Contributed to the Pendekar Siber youth program, which won the Gold Award at 3rd and 4th University in Action Symposium, recognizing outstanding contributions to cybersecurity awareness and youth empowerment.

### CTF WORKSHOP SERIES

March 2022

- Part of the winning team in the internal CTF competition held at my university, following a series of cybersecurity workshops, showcasing strong problem-solving and cybersecurity skills.

## COMMUNITY SERVICES

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### Pendekar Siber Youth Program

June 2023 & January 2024

- Co-organized and facilitated two cybersecurity awareness sessions for elementary school students.

### Bijak Siber Program

October 2024

- Focused on teaching essential cybersecurity concepts through engaging and fun methods.

## ACTIVITIES AND INVOLVEMENTS

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### Head of Technology Department, Cybersecurity Club Special Interest Group (SIG: Cybersecurity)

2024

- Led and contributed to cybersecurity awareness programs, including a national-level 2-day workshop on penetration testing, cryptography, and CTF-related topics.
- Organised Malaysia CyberSecurity Camp (MCC) sharing sessions with alumni to inspire students to apply for the camp and pursue cybersecurity careers.
- Contributed to the module team, demonstrating cybersecurity vulnerabilities such as phishing and metasploit in interactive workshops

### Reverse Engineering Challenge Creator, University-level CTF (ICECTF: Chapter 0)

November 2024

- Designed and created reverse engineering challenges for the university's CTF competition, enhancing problem-solving and reverse-engineering skills for participants.