

# M.H. AMAAN AHMED

## Associate Software Engineer

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Portfolio: [amanahmed12.github.io/portfolio](https://amanahmed12.github.io/portfolio) (Under Modification)

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## PROFESSIONAL SUMMARY

Results-driven Associate Software Engineer with expertise in full-stack development using Java Spring Boot, React, and Next.js. Top performer in HNDIT 2021 Batch with 4.0 GPA. Experienced in microservices architecture, RESTful API development, cloud deployment, and database management. Skilled in agile methodologies and delivering innovative, user-centric software solutions.

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## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, TypeScript, Python, PHP, C#

**Backend Frameworks:** Spring Boot, Flask, ASP.NET, Laravel, CodeIgniter

**Frontend:** React.js, Next.js, HTML5, CSS3, Bootstrap, Tailwind CSS, Material-UI, MudBlazor

**Databases:** MySQL, PostgreSQL, MongoDB, Firebase, Microsoft SQL Server

**Architecture & Design:** Microservices Architecture, RESTful API, MVC Pattern

**Cloud & DevOps:** AWS (SQS, EC2), CI/CD

**Tools & Methodologies:** Git, GitHub, Postman, Swagger, Jira, Navicat, Agile, Scrum, Test-Driven Development

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## PROFESSIONAL EXPERIENCE

### Associate Software Engineer

Techcess Business Solutions, Nugegoda, Sri Lanka | Jan 2025 – Present

- Developed and maintained enterprise applications using Spring Boot and microservices architecture.
- Designed and implemented RESTful APIs and integrated third-party services.
- Built responsive front-end applications using React.js, Next.js, Material-UI, and Tailwind CSS.
- Optimized database queries and managed data across MySQL, PostgreSQL, and MongoDB.
- Deployed and managed applications on AWS; utilized SQS for message queuing.
- Conducted code reviews, ensured adherence to best practices, and participated in agile ceremonies.

## Software Engineer Intern

Techcess Business Solutions, Nugegoda, Sri Lanka | Jul 2024 – Jan 2025

- Contributed to Zeta Plus SRP Project with Spring Boot and microservices.
- Developed and tested APIs using Postman and documented with Swagger.
- Implemented front-end features using React.js, TypeScript, and Bootstrap.
- Worked with relational and non-relational databases; used Git for version control.
- Participated in agile development processes and gained experience with AWS cloud services.

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## EDUCATION

### Bachelor of Information Technology (Undergraduate)

University of Moratuwa | Apr 2025 – Present

### Higher National Diploma in Information Technology (HNDIT) – Batch Topper | GPA:

4.0/4.0

SLIATE, Kandy | Aug 2022 – Aug 2024

- Coursework: Software Engineering, Database Management, Web Development

### Advanced Level (A/L) – Commerce Stream

K/Madeena National School, Kandy | Completed Nov 2020

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## PROJECTS

### Online Police Assistance System – Full-Stack Developer | Final Year Project

- Developed a secure, responsive web platform for citizens and police.
- Implemented authentication, authorization, and responsive UI.
- Technologies: Java Spring Boot, React.js, Next.js

### Zeta Plus - SRP Project – Java Spring Boot, Microservices

- Built enterprise app using distributed microservices architecture.
- Integrated AWS services for cloud deployment and messaging.

### Zeta - SLSM (Student Lifecycle Management System) – PHP CodeIgniter, MySQL

- Developed student management system with role-based access control.
- Designed normalized database schemas for efficient storage.

### Kandy Rentals – Car Rental Management System – ASP.NET MVC, Bootstrap, MySQL

- Full-featured booking and payment system with CRUD operations for vehicles and customers.

## **Online Quiz Management System – Python Flask**

- Timer-based quiz platform with automatic scoring; user authentication and session management.

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## **CERTIFICATIONS**

- Introduction to Android Mobile Application Development – Meta
- Web Design for Beginners – University of Moratuwa
- Python Programming & Python for Beginners – University of Moratuwa

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## **LANGUAGES**

- English: Fluent
- Tamil: Native
- Sinhala: Fluent

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## **PROFESSIONAL GOALS**

- Advance expertise in Java, JavaScript frameworks, and cloud technologies.
- Contribute to open-source projects and collaborate with global teams.
- Pursue AWS Solutions Architect and Spring Professional certifications.
- Lead development initiatives and mentor junior developers.
- Build innovative, scalable, and user-centric software solutions.

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## **REFERENCES**

- W.G.T.J.S. Bandara – Team Lead, Techcess Business Solutions, Nugegoda | Phone: +94 77 756 3908
- Mrs. Dilini Kumarihami – Head of IT, SLIATE Kandy | Email: dilinikanchana@sliate.ac.lk | Phone: +94 70 788 2155