

A T M Hasan

Senior Software Engineer

Kuala Lumpur, Malaysia | +60 19-717 0089 | atmhasan.oop@gmail.com | linkedin.com/in/atmhasan | Available Immediately

PROFESSIONAL SUMMARY

Senior Software Engineer & IT Applications Manager with 10+ years of experience in Java, Spring Boot, and scalable microservices. Proven track record of leading enterprise-grade backend and full-stack projects across finance, telecom, and government sectors. Experienced in cloud technologies (AWS, Azure), REST & SOAP APIs, containerization (Docker, Kubernetes), and DevOps (CI/CD pipelines with Jenkins). Strong commitment to clean architecture, test-driven development, and agile practices.

CORE COMPETENCIES

Java | PHP | Spring Boot | Laravel | Microservices Architecture | REST & SOAP APIs | React.js | AWS & Azure | Kubernetes & Docker | CI/CD (Jenkins, GitLab) | MySQL, Oracle, PostgreSQL, MongoDB, Cassandra | Agile & Scrum | Unit Testing (JUnit, Mockito) | DevOps | SonarQube | AppDynamics | Full-Stack Development | EDMS | OpenText Documentum | Content Server | API Design & Integration

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Part-time, Remote), A Rank Above, San Diego, CA, United States Mar 2018 – Present

- Designed and developed RESTful APIs and microservices architectures using Java and Spring Boot, increasing system scalability and performance by 25%.
- Led cloud-based development initiatives using AWS and Azure, reducing operational costs and improving deployment efficiency.
- Developed and customized WordPress themes and plugins, enhancing client website performance and user experience.
- Collaborated with cross-functional teams to deliver high-quality software solutions, adhering to Agile methodologies and best practices.

Manager Software Development (Remote), Next Bits, Buena Park, CA, United States Jul 2022 – Aug 2024

- Managed a team of 6 developers to build and optimize enterprise-grade applications using Java, Spring Boot, and J2EE, improving scalability by 30%.
- Spearheaded the migration of legacy systems to microservices architecture, reducing system downtime and enhancing modularity.
- Developed desktop UI components using Java Swing, improving user engagement and application usability by 20%.

Manager Software Development, CSL Technologies Limited, Dhaka, Bangladesh Jan 2017 - Mar 2021

- Supervised a team of 5 developers in the development of Enterprise Content Management (ECM) solutions using OpenText Documentum and Java, improving document processing efficiency by 40%.
- Migrated on-premise systems to cloud-native infrastructure, enhancing security, performance, and availability.
- Automated document management workflows, reducing document retrieval time by 35% and improving compliance.

Software Engineer, CSL Technologies Limited, Dhaka, Bangladesh Dec 2014 – Dec 2016

- Developed software components using OpenText Documentum tools (xCP 2.x, DA, D2, DFC, DQL, Web Top) to support enterprise-level content management solutions.
- Designed and integrated web services (SOAP/REST) to automate business workflows within the ECM system, improving automation and data exchange.

KEY PROJECTS

• e-Invoicing Integration for MyInvois (Malaysia LHDNM)

Retail POS | PHP | MySQL | MyInvois Integration | Digital Signature & API | Team Lead

Implemented end-to-end e-Invoicing using PHP with UBL-JSON structure, digital signatures (PFX/XAdES), and OAuth2 API integration, enabling real-time invoice validation and compliance with LHDNM tax regulations.

• Business Management Solution (BZComposer)

Business Management | Java | Spring Boot | MySQL | Team Lead

Designed and led the development of a business management solution to automate core business processes, improving operational efficiency by 30%. Managed a team of 6 developers, implemented key features, and ensured on-time delivery.

• Enterprise Document Management System (EDMS)

Telecommunications | Java | Spring Boot | OpenText Documentum | Oracle 11g | Team Lead

Directed the deployment of an EDMS, reducing document retrieval time by 35% and optimizing document management processes within the telecom industry. Improved document storage efficiency and retrieval processes.

- **Enterprise Document Management System & Process Automation**

Banking | Java | Spring Boot | OpenText Documentum | Oracle 11g | Documentum Developer

Developed and automated core document processing workflows, enhancing document management and retrieval processes for a large-scale banking operation. Improved document retrieval time by 40%, leading to increased operational efficiency.

- **Election Result Management System (ERMS)**

Government | PHP | Laravel | MySQL | Database Administrator

Oversaw the database architecture for the Election Result Management System, ensuring high availability and reliability during national elections. Optimized data processing, improving system performance under heavy loads by 25%.

- **Enterprise Resource Planning (ERP)**

Enterprise Resource Planning | Apache OFBiz (J2EE) | MySQL | Team Lead

Spearheaded the development of an ERP solution, overseeing a team of developers to automate key business processes and streamline operations. Enhanced operational efficiency for over 5 enterprise clients by 40%.

- **School Management System**

Education | PHP | Laravel | MySQL | Manager

Supervised the design and implementation of a school management system, automating administrative tasks and improving overall operational effectiveness by reducing manual workloads by 30%.

SKILLS

- **Programming Languages:** Java (Expert), PHP (Expert), ASP.NET (Advanced), Python (Intermediate)
- **Database:** MySQL, Oracle, MS SQL Server, PostgreSQL, NoSQL (MongoDB, Cassandra, IBM Cloudant)
- **Framework & Libraries:** Spring, Spring Boot, Struts, Django, Swing, MVC, OpenText Documentum (xCP 2.x, DA, DFC, Web Top)
- **Tools & Technologies:** REST & SOAP APIs, AWS, Azure, Kubernetes, Docker, Microservices Architecture, Serverless Architectures, Lambda, Agile, Git, SonarQube, AppDynamics, SAP Crystal Reports, Jasper Reports
- **Languages:** English (Fluent), Bangla (Native), Malay (Beginner)

EDUCATION

Doctor of Philosophy (Information Technology) Universiti Kuala Lumpur - Malaysian Institute of Information Technology (UniKL - MIIT)	Ongoing	Jan 2025 – Present
Research Focus: A Predictive Model for Cybersecurity Vulnerabilities and Threat Behaviors in Enterprise Systems through Threat Intelligence Integration.		
Master of Science in Computer Science and Engineering United International University (UIU), Dhaka	CGPA: 3.61 Major in Software Engineering	Jan 2019 - Dec 2020

PROFESSIONAL CERTIFICATION

Building Scalable Java Microservices with Spring Boot and Spring Cloud , by Google Cloud	Oct 2024
Introduction to NoSQL Databases , by IBM and offered through Coursera	Oct 2024
Python Programming Language , by Stanford University's Code in Place.	Jun 2024
Database Management Essential , by University of Colorado System	Nov 2020
Red Hat Certified System Administrator (RHCSA) , Issued by, Red Hat; Certification ID: 190-077-685	Apr 2019
Oracle Certified Professional, Java Standard Edition 6 Programmer (OCJP) , Issued by Oracle	Mar 2015

COMPETITION & AWARD

Daffodil Japan IT Quiz Contest , Position: Best Twenty, Organization: Daffodil Japan IT.	Jun 2014
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PUBLICATIONS

A T M Hasan & Mahmud Hasan, "Using Titanic Dataset for Comprehensive Machine Learning Model Training," *International Journal of Innovative Science and Research Technology (IJISRT)*, 7 February 2025. DOI: <https://doi.org/10.5281/zenodo.14810217>