MEHADI HASAN

Senior Software Engineer | DevOps | AI/ML | Full Stack Developer
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GitHub: github.com/eshad | LinkedIn: linkedin.com/in/eshad-hasan | Portfolio: eshad.github.io/profile

Profile

Multidisciplinary Software Engineer with extensive international experience in software architecture, DevOps, machine learning, and cloud-native applications. Skilled in managing cross-functional teams, implementing modern DevOps practices, and designing AI-driven systems. Strong expertise in government infrastructure, gaming, e-commerce, and ERP domains across Malaysia, Europe, and the USA.

Technical Skills

Languages: Python, Java, JavaScript, C/C++, C#, PHP, TypeScript, Go, Kotlin, R
Frameworks & Tools: React, Next.js, Node.js, Laravel, ASP.NET Core, Vue.js, Unity, J2EE
DevOps & Cloud: Docker, CI/CD, Jenkins, Git, AWS, Alibaba Cloud, Tencent Cloud, Bitbucket
Databases: PostgreSQL, MySQL, MongoDB, MSSQL, Redis, GraphQL
Other: SignalR, WebSockets, REST APIs, Agile, Jira, Redmine, NGINX, VPS, VMware ESXi
BI/AI: SAS, SPSS, AlphaMiner, Pandas, NumPy, Scikit-learn, TensorFlow

Professional Experience

Senior Software Engineer / Team Lead – MRT/LRT Government Project | Malaysia | 2024 – Present
• *Led government-backed GIS project with live mapping and mimic control systems using SignalR/WebSocket*
• *Managed CI/CD deployment pipelines and migrated legacy systems to open-source platforms*
• *Delivered FAT/SAT-compliant modules and internal tools for high-efficiency collaboration*

Full Stack Developer & DevOps – Gaming Industry | Malaysia/USA | 2023 – 2024
• *Developed hybrid mobile games and integrated backend systems (ThinkPHP, Redis)*
• *Administered cloud infrastructure and secured transaction systems (Alipay, UnionPay)*
• *Implemented multithreaded PHP/Python APIs and automated build/test environments*

Team Lead – DataHostBD | Bangladesh | 2022
• *Oversaw microservices development, Git workflows, and Dockerized deployment*
• *Mentored junior engineers and enforced SOLID architectural principles*

CEO & Tech Consultant – Orimpo Inc. | Bangladesh | 2011 – 2016
• *Led tech strategy, vendor management, and data governance at the company level*
• *Directed multi-platform project delivery and business intelligence reporting systems*

Education

Doctor of Philosophy (ongoing)

M.Sc. in Computer Science
Thesis: AI-Driven Medical Assistant

B.Sc. in Computer Science & Engineering – United International University, Bangladesh (2009–2017)
Thesis: IoT-based Smart Building Energy Management System

Portfolio & Projects

• LRT Signaling (Malaysia): https://youtu.be/VxFVLkVqEUo
• ERP & IoT Automation: https://youtu.be/kqwIsAytyl0
• AI-based Criminal Clustering: DMP Dataset | Game Dev Showcases: https://youtu.be/1fTcyv6d-VI
• GitHub: https://github.com/eshad | Website: https://eshad.github.io/profile