MOHSINA AHMED CHOWDHURY

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PROFESSIONAL PROFILE

An experienced junior software developer and cloud engineer, versed in agile ways of working, with a passion for solving complex problems to deliver high value products. Over 8 years of experience amassed, strengthened by completion of recent industry-leading bootcamp, most recently at Maker's Academy on a full scholarship.

TECHNICAL SKILLS

- **Programming Languages:** HTML5/CSS3, C/C++/C#, ASP.NET, Java, JavaScript, PHP, React, Python, Ruby.
- **Development Principles**: Experience in SOLID principles (SRUM)
- **Docker**: Project deployment in AWS; **UX/UI:** Figma; **UI Framework:** Bootstrap
- **Web Application Architecture/Development:** PHP, Coldfusion; **PHP Framework:** CodeIgniter.
  Content Management System (CMS): WordPress (WooCommerce); **Source Code Management:** GitHub.
- **Web Hosting Control Panels:** Plesk, cPanel; **Extra Web Related**: SEO & Google Analytics; **Testing**: TDD/BDD (unit integrations, JUnit, pytest, cucumber etc);
- **Database**: MySQL Workbench, Sqlite3, PostgreSQL, MongoDB.
- **AWS:** EC2, Elastic Beanstalk, CloudFormation, RDS, IAM users and roles, S3 bucket, Amazon API Gateway, AWS Lambda, Terraform, Kubernetes (K8s); **CI/CD:** GitHub workflow, Jenkins
- **Software:** Postman - Build, test & modify API, Visual Studio/Visual Studio Code, Microsoft Office, Adobe Dreamweaver, Adobe Creative Cloud **Other**: Xero, Moneysoft (Payslip), Ever-sign, Trello Board.

EXPERIENCE

Python Specialisation – MLA (Mid Level Accelerator)   Feb 2024 - Apr 2024
Code for Girls (CFG)

- Spearheaded diverse aspects of modern software development, including product discovery, architectural design, and development methodologies such as CI, microservices, MongoDB, Rest API, GraphQL, BDD/TDD.
- Orchestrating the deployment of a MERN project, a Fitness App, on AWS using Fargate, demonstrating proficiency across the software development lifecycle.

Software Engineering Bootcamp - DevOps/Cloud Programming   July 2023 - Oct 2023
MAKERS ACADEMY

- Selected to partake in the highly sought-after Maker's Academy Software Engineering bootcamp on a full scholarship
- Honed my Software Development and designing skills using TDD approach and agile methodologies
- Created an Airbnb-style app as a Software Engineering Project using a database backend (PostgreSQL) and deployed into Makers own Exo-frame Server.
- Deployed 10 different apps in AWS using docker image, EC2 instance, S3 bucket, Terraform & Kubernetes
- Managed CI/CD workflows using GitHub and Jenkins.
- Achieved and maintained a 99% security rating working on cloud reliability protocols in a production environment

Software Development Bootcamp (Public Sector)   Apr 2023 - July 2023
JUST IT

- Created 5 JavaScript projects, 5 Python apps and 2 HTML/CSS/JavaScript websites.
- Created an app (Film Flex) using Python Flask and Sqlite3 Server and deployed on render.
- Upskilled in database management using MySQL Workbench and practiced projects using CRUD.
- Designed own portfolio using HTML/CSS and JavaScript and deployed on Netlify

Teach Her | Mentorship Program | DDaT Profession   Sep 2023 - Oct 2023

- 8-weeks of mentorship program under a Software Developer at the Department of Levelling up, Housing and Communities.
- Worked on soft skills, technical skills, and a job shadowing day with mentor.

IT and E-Commerce Officer – Part Time   **Mar 2023 - July 2023**
ELITE ACCOUNTANCY

- Responsible for all internal IT systems, ensuring continuous uptime by pro-actively monitoring key software and hardware performances as well as overall network.
- Managed roll-out of new IT hardware for staff and any migration work required, effectively communicating with employees of a levels from the CEO to new recruits.
- Manage and shape complete IT onboarding experience of new hires as fast, & hassle-free onboarding exp.
- Educated Management by spearheading usage of key time-saving IT software such as Xero & DocuSign.
- Actively participated for payroll software, managed purchased orders, initiating and monitored payments.

ICT Officer - Part Time   **Mar 2023 – July 2023**
SALAR IMPEX LIMITED

- Help setting up IT infrastructure and day to day IT administration including managing server and client machines, preparing company documents using various software. Designed a responsive [website](#) for the company.

ICT Officer and Course Co-ordinator   **Feb 2014 – Dec 2022**
GLASGOW CENTRE OF HEALTH EDUCATION, MERAS HEALTHCARE LIMITED

- Developed and maintained ICT systems and company website, adhering to Agile Project Management.
- Upgraded company machines and on-site server (NAS - Synology Server) by implementing regular software/drive updates and setting up remote access (TeamViewer, AeroAdmin, RemoteHost, etc.) for staff.
- Configured staff machines with Synology server drives and IT systems, including computer login, email accounts, and server access.
- Helped to build the private paediatrician website to create secure online portal for the private clinical section of the company, and built the education section of the company website ([Centre for Health Education](#)), utilising Dreamweaver and WordPress. Customised a login page to manage a pool of 5000+ candidates via a back-end admin portal and added front-end features such as analytics dashboard, course builder, and payment gateway integration to pay for courses.
- Gained valuable e-commerce experience by creating an online application form and WorldPay payment system through custom code and WordPress (WooCommerce) and integrated the custom coded website with the CMS system. Maintained the payment portal to sustain flows of 2000+ transactions a month and generating 6 figures in revenue for the company quarterly
- Adapted systems to accommodate e-learning during the COVID-19 pandemic by updating the website.
- Designed and implemented one of the first paperless online exam portals for various medical life support courses (ALSG, ALS, e-ALS, APLS, EPALS, GIC, etc.), which became a versatile approach for advanced life support courses during the pandemic.

EDUCATION

BSc Computer Science – FIRST CLASS HONS   **2013 – 2014**
UNIVERSITY OF HERTFORDSHIRE

- Further Object-Oriented Programming (JAVA), Database, Principles & Applications of Web Services, E-learning Applications Design and Development

BSc Engineering in Microcomputer Systems Engineering – DISTINCTION   **2007 – 2008**
UNIVERSITY OF GLASGOW

- Communication systems, Digital circuit design, Engineering mathematics, Electronics system design, Project design implementation & delivery, network systems & Electronic circuit design.

BSc Computer Science & Engineering *(Completed in the UK)*   **2005– 2007**
UNIVERSITY OF DHAKA

- C/C++/JAVA, Assembly Language, Digital Systems, Discreate Mathematics, Basic Electronics, Electrical Circuit Analysis, Microprocessor, Networking, Accounting & Management.

MEMBERSHIP OF PROFESSIONAL BODIES: IEEE | MBCS (The Chartered Institute of IT)