

Aamna Tayyab

Software Developer

"Results-driven Software Developer with a solid foundation in software engineering and a proven track record of delivering efficient, high-quality solutions. Leveraging over 3 years of hands-on experience in web and application development, combined with a strong problem-solving aptitude and a commitment to continuous learning."

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Experience

ExxonMobil, Hungary - Software Developer

2022-2023

- Supported HR department by enhancing employee data management and presentation with creation of custom APIs, designing and building frontend using React and integrating it with HR SharePoint platform.
- Enhanced server security for the Cybersecurity team by using Ansible automation. This included managing servers remotely via Ansible Tower and creating Ansible playbooks integrated with a simple frontend form and MSSQL database allowing users to store and apply server configurations.
- Supported system architects by integrating Red Hat OpenShift (OCP) with a React-based web application for querying, filtering and displaying Application data from MSSQL IT Data Warehouse (ITDW).
- Supported QA by implementing Selenium-based automated testing and applied monitoring and analytics using Datadog for the Web Application used in streamlining client onboarding.
- Worked in Agile Scrum and collaborated with cross-functional teams to deliver high-impact solutions.

Education

Eötvös Loránd University - BSc. Computer Science

2023

- Developed '[StudyBuddy](#)', a mobile app to connect students on campus using OpenAI for recommendations, utilizing React Native (Functional Components), Expo, Figma for design, packaged using EAS build and tested using Jest. (Thesis, 2023)
- Developed [1v1 chess application](#) using Clean, a strict functional programming language with strong type inference with the primary objective of creating an application that adheres to the principles of pure functional programming, emphasizing immutability, referential transparency, and the absence of side effects.
- Developed and documented several 2D games using Java Swing with object-oriented design, performance optimization, and algorithmically generated levels; integrated with JDBC, Apache Derby and MySQL to store high scores and player information and GitLab for continuous integration (CI/CD). Documentation includes analysis, UML diagrams, and event-handler connections written in LaTeX.

Certifications

- IoT Fundamentals: Big Data & Analytics - Cisco Networking Academy
- English Proficiency C2 - TOEFL iBT (114/120)
- Supervised Machine Learning: Regression and Classification - DeepLearning.AI

Volunteer Work

Google Developer Student Club - Lead/Founder

2021-2022

- Launched and led the first chapter of GDSC at ELTE building a community interested in Google developer tools.

Google Developer Groups (GDG Budapest) - Co-organizer

2022-present

- Organizer of the [DevFest Budapest 2023](#) - Developer, Cloud & DevOps international conference - powered by EPAM Systems.