

JAODUN MUNTASIR

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EDUCATION

Eötvös Loránd University, Faculty of Informatics

Budapest, Hungary

Bachelor of Science (Computer Science)

Class of 2025

- Stipendium Hungaricum Scholarship Recipient (2022):** Full-ride government funded scholarship for 3 years of undergraduate studies at ELTE.
- Current GPA:** 4.53/ 5.00
- Relevant Courses:** Algorithms & Data Structures, Object Oriented Programming, Concurrent Programming, Web Engineering

EMPLOYMENT EXPERIENCE

ELTE IK Innovation Lab (Software Engineer Intern)

May 2024 - Present

- Developed an internal team management web application using PHP (Laravel) for the backend, React (JavaScript) for the frontend, and REST API for integration.
- Designed a preference-based shift management algorithm tailored to pink-collar jobs.
- Contributed to the development of the prototype shift management system, utilizing PHP (Laravel) for the backend, Next.js (TypeScript) and React for the frontend, and REST API.
- Deployed both applications on an AWS Lightsail LAMP stack server running Linux with Apache. Also, configured DNS and AWS SES for handling in-app email notifications.
- Collaborated in a Scrum environment: Worked as a Development Team Member, contributed to sprint planning, daily standups, sprint reviews, and retrospectives to ensure the delivery of high-quality features within cross-functional teams.

RELEVANT PROJECTS

Issue Tracker App and API (Angular, TypeScript, Laravel, PHP, REST API, SQLite)

- SPA using Angular for a responsive frontend and Laravel with REST API to handle backend operations.
- Create, edit, delete issues and tracking issue progress.

Book Rental System (Laravel, Blade, PHP, SQLite)

- Laravel (PHP) application with a local SQLite database. Laravel Breeze equipped with custom middleware is used for user authentication and Blade is used for frontend.
- The system features functions for anonymous users to search for books, while logged-in readers can borrow and track rentals, and librarians can manage books, genres, and rentals.

2D City Builder Game (Java Swing, SQLite)

- Single-player game that saves progress (including the map) locally using a database.
- 2D city-building game like SimCity.
- Classes feature complex elements like economy, taxation, loans, disasters, demolition, and various zoning types.
- Deployed using a GitLab CI/CD pipeline, writing the .gitlab-ci.yml file to automate build, test, and deployment processes.
- Agile product development was followed with unit testing in each stage.

Mapmaker Game (HTML, CSS, JavaScript)

- Single-player map-making game utilizing an 11x11 grid map.
- JavaScript, and HTML/CSS is used to dynamically place terrain elements, calculate scores based on completed missions, and track time units and seasonal bonuses within 28 units of play.

Linear Accelerator Scheduler (Python, Flask, SQLite)

- An appointment system to optimize Radiation Therapy Treatment's even distribution of the linear accelerator's load.
- Included optimization techniques, proper routing and streamlined UI.

TECHNICAL SKILLS

- Programming Languages:** C | C# | Java | JavaScript | TypeScript | PHP | Python | HTML5 | CSS3 | Clean | Haskell | SCSS
- Frameworks:** Laravel | ReactJS | NEXT.js | Node.js | Angular | Flask | REST API | WordPress
- Others:** DBMS | MySQL | PL/SQL | Shell Programming | GitHub | GitLab | Linux | AWS (LightSail, SES) | VPS Management | GitHub Actions | GitLab CI/CD
- Expertise:** CMS | SEO | MS Office | IBM SPSS | Adobe Photoshop | Canva
- Areas of Expertise:** Full Stack Software Development | Desktop and Web Application Development | Website Development | Object Oriented Programming (OOP) | Unit Testing

NON-TECHNICAL SKILLS

- Languages:** Bengali | English | Hindi | Urdu
- Skills:** Public Speaking | Content Writing | Presentation Skills | Communication Skills | Research | Team Management
- Additional Activities:** Mentor at Stipendium Hungaricum Mentor Network | Debater at Budapest Debate Union | Ex-General Secretary at Adamjee Cantonment College Debating Club | Ex-President at Adamjee School Cultural Club