SHUMOKH ALSHARIF

Software Engineer

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SUMMARY

Full-stack software engineering student with experience across backend systems, frontend development, UI/UX, and interactive web experiences. Has contributed as a backend developer, Scrum Master, UX researcher, and team lead across multiple projects.

EDUCATION

University of Jeddah, *B.Sc. Software Engineering | GPA: 4.93 | Expected Graduation: 2027*

PROJECTS

Medixa, *Full-Stack Developer / Team Leader* 03/2026 – 05/2026

- Led a team of three, dividing backend, frontend, and database work and keeping the project aligned.
- Built the backend server with Node.js and Express, with JWT authentication and Role-Based Access Control (RBAC) so admins and regular users each had a different interface and permission set.
- Addressed gaps in the drug interaction checker by logging unrecognized brand names for admin review, improving future lookups.
- Implemented real-time chat using WebSockets for patient-pharmacist communication.
- Enhanced the frontend and UI across multiple pages, including scroll-triggered 3D animations.

Detainee Financial Transfer Solution, *Team Lead / UX/UI* 09/2025 – 12/2025

- Ran user research, including interviews and validation with Al Madinah detention center (securing formal institutional support), and translated findings into personas and journey maps.
- Led a team of four through the Absher Tuwaiq Hackathon, managing research, design, and presentation to complete a prototype under tight deadlines.
- Designed and prototyped the solution, including scheduled payments and transaction notifications.

Atelier: Digital Art Marketplace, *Scrum Master / Full-Stack Developer* 09/2025 – 11/2025

- Led a team of four as Scrum Master, running sprint planning, stand-ups, and retrospectives.
- Built, deployed, and monitored the backend server with Node.js and Express.
- Built the core marketplace features, including browsing, commission requests, JWT-based authentication, and email notifications through NodeMailer.
- Implemented WebAR using AR.js so buyers could preview artwork in their own space before purchasing.
- Applied unit testing using Vitest across 78 cases covering logic, input space, and graph coverage.

SKILLS

Planning & Design (User Research, Scrum Methodology, System Design, Prototyping, Figma) |

Frontend & Interaction (JavaScript, Three.js, WebAR (AR.js), GSAP, REST APIs, HTML, CSS) |

Backend & Systems (Node.js, Express, MongoDB, MySQL, JWT, WebSockets, GitHub Actions, NodeMailer, Postman, Vitest)

ACTIVITIES & EXPERINCE

GDGUJ Web Committee, *Ongoing*
Web developer at the Google Developers Group on Campus, University of Jeddah

EGVRUJ Project Management Committee, *Ongoing*
Electronic Games and Virtual Reality Club, University of Jeddah