

ABDULLAH ABU RIALA

Software Engineer

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SUMMARY

Software Engineer with a B.S. from Bethlehem University and hands-on experience across the full stack — Java/Spring Boot, PHP/Laravel, React, and Flutter. Built and shipped e-commerce, social networking, and AI-assisted navigation applications from design through deployment. Comfortable moving between frontend, backend, and mobile, with practical experience applying generative AI tools to speed up development. Seeking a Software Engineer role where I can contribute strong fundamentals, fast learning, and a builder's mindset.

EDUCATION

B.S. in Software Engineering — Bethlehem University Sep 2021 – Dec 2025

Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Software Testing, Advanced Web Development, Service-Oriented Architecture, Software Engineering for the Cloud, Design Patterns.

TECHNICAL SKILLS

Languages: Java, PHP, Python, Dart

Backend: Spring Boot, Laravel, REST APIs, JWT, OAuth2, MySQL, Firebase

Frontend: React, TypeScript, HTML/CSS/JavaScript, Tailwind CSS

Mobile: Flutter

Tools & Practices: Git, GitHub, Docker, Agile/Scrum, Figma

AI Tools: Prompt Engineering, ChatGPT, Google Gemini

EXPERIENCE

Full Stack Developer Intern — Element Media Jun 2024 – Sep 2024

- Built and shipped a full-stack e-commerce application end-to-end using Laravel, MySQL, and Blade, covering product catalog, checkout, and order tracking.
- Implemented secure authentication and authorization to protect user accounts and restrict admin-only actions.
- Worked within an Agile team, participating in sprint planning and code reviews to deliver features on schedule.
- Code: [View repository](#).

PROJECTS

AuraStride — AI Navigation App for the Visually Impaired (Graduation Project)

- Team graduation project: a Flutter app that guides visually impaired students around Bethlehem University's campus with voice directions and real-time obstacle alerts.
- Built the object detection module: on-device YOLOv5 (TensorFlow Lite) on the live camera feed, announcing nearby obstacles through text-to-speech.
- Built the campus navigation: GPS positioning, Google Maps and step-by-step voice directions to campus buildings, controlled by speech commands.
- Field-tested the app in real-world conditions and tested and debugged the detection and navigation code.
- Code: [View repository](#).

Palestine Job Finder — Automated Job Search & Email Reports

- Built a Python automation that collects new IT jobs from Palestinian sources (Jobs.ps, Foras, company career pages) and remote jobs from LinkedIn and Indeed via the JSearch API, then emails a ranked report every 3 days.
- Designed a keyword-based scoring model (English and Arabic) that rates each job 0–100 against my skills and filters out expired, senior and US-only roles.
- Scheduled with GitHub Actions and Windows Task Scheduler, with deduplication, fault-tolerant sources and API keys stored in GitHub Secrets.
- Code: [View repository](#)

Social Media Platform (Microservices)

- Designed and built a full-stack social platform with secure authentication, real-time messaging, and notifications.
- Backend: Java, Spring Boot, JWT, OAuth2, SSL. Frontend: React and TypeScript.
- Refactored the application into a microservices architecture and designed the UI in Figma.
- Code: [View repository](#)

UI/UX Prototyping — Academic Project

Oct 2023 – Dec 2023

- Designed responsive interfaces and interactive prototypes in Figma, then implemented them with HTML, CSS, and JavaScript.
- Applied user-centered design principles while collaborating in a team setting.

CERTIFICATIONS & TRAINING

- Google Prompting Essentials Specialization — Google Career Certificates, Coursera (2026) — [View certificate](#)
- AWS Academy Cloud Foundations — AWS Academy (2024) — [View badge](#)
- Frontend Development Training (React, Flutter, Figma) — Udemy (2023–2024)

LANGUAGES

Arabic (Native) • English (Professional Working Proficiency)

VOLUNTARY EXPERIENCE

- IEEE BU Student Branch — Organized coding workshops, technical events, and hackathons (Nov 2023 – May 2025).
- Ghirass Cultural Center — Taught English and public speaking to children (May 2023 – Jun 2023).