

ADAM ALAFANDI

SOFTWARE ENGINEER

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Position Target: Junior Software Engineer / Full-Stack Developer

SUMMARY

Motivated and detail-oriented Software Engineering student with hands-on experience in Java, React, TypeScript, and data analytics. Skilled in designing modular, maintainable systems and implementing full-stack applications from backend logic to responsive user interfaces. Passionate about solving real-world problems through clean code, automation, and scalable architecture. Open to **internships** or **junior developer** roles to contribute, learn, and grow in a professional engineering environment.

PROFESSIONAL SKILLS

- Strong foundation in Object-Oriented Programming, system design, and software architecture.
- Experience with RESTful APIs, MVC patterns, and microservices principles.
- Excellent problem-solving and debugging skills, with a focus on performance optimization.
- Ability to work effectively in team projects, using Git for version control and agile collaboration.
- Strong written and verbal communication; able to document, present, and explain technical concepts clearly.

TECHNICAL SKILLS

- Languages: Java, JavaScript, TypeScript, Python, SQL
- Frameworks & Tools: React, Node.js, Express, Docker, Git, JUnit
- Databases: PostgreSQL, MySQL
- Concepts: OOP, Data Structures & Algorithms, REST APIs, Microservices, CI/CD
- Analytics & Automation: Pandas, Matplotlib, n8n Workflow Automation
- Operating Systems: Linux, Windows

Other: HTML5, CSS3, JSON, API Integration

PROFESSIONAL EXPERIENCE

Student Developer – Academic Projects

Software Engineering Department, 2023-2025

- Designed and implemented object-oriented systems in Java using inheritance, polymorphism, and Streams for data processing.
- Developed and deployed web-based applications using React and Node.js also using HTML, CSS and JavaScript, applying secure authentication and data handling practices.
- Collaborated in teams using GitHub, code reviews, and agile sprints to deliver software deliverables on time.
- Produced clean, documented code and maintained project reports and analytics dashboards.

PROJECTS

Library Analytics System – Java, Streams, OOP

- Built a system to manage and analyze library items (Books, Magazines, DVDs).
- Utilized Java Streams for analytics such as item popularity and category trends.
- Applied inheritance and polymorphism to ensure scalability and code reusability.

SocialGuard (Full-Stack Prototype) – React, Node.js, PostgreSQL

- Developed a social media prototype featuring secure login, user identity verification, and content moderation.
- Designed REST APIs and microservices; built responsive UI components with React + TypeScript.
- Integrated PostgreSQL database and implemented Docker-based deployment.

COVID-19 Data Analysis – Python, Pandas, Matplotlib

- Collected, cleaned, and analyzed public COVID-19 datasets.
- Visualized global trends and metrics using reproducible Jupyter notebooks.
- Automated daily data processing workflows with Python scripts.

EDUCATION

Bachelor of Science in Software Engineering

Bethlehem University, Palestine — Expected Graduation: 2027

Relevant Coursework: Operating Systems, Database Systems, Data Structures & Algorithms, Software Design, Computer Networks, Advanced Object Oriented Programming.

ADDITIONAL INFORMATION

- **Languages:** English (Advanced), Arabic (Native)
- **Certificates:** Problem solving, Flutter, Full stack development Node.js, Linux Fundamentals, HTML/CSS, Git/GitHub.
- **Interests:** **Automation**, AI Tools, System Optimization, Open-Source Contribution
- **Availability:** Full-time or internship (remote/on-site)