

# MUNES BANI FAWAZ

## Full Stack Software Engineer

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### Intro

Passionate Software Engineer committed to delivering high-quality solutions through dedication, meticulous attention to detail, and strong organizational skills. Proficient in programming and coding with a solid understanding of software development principles. Driven to continuously learn, evolve, and achieve excellence in the field of Software Engineering.

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### CONTACT

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**Email:** m.banifawaz@outlook.com  
**Date of Birth:** 04/09/1998  
**Nationality:** Jordanian

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### EDUCATION

**Bachelor's Degree in Software Engineering**  
*Philadelphia University of Jordan*  
(Amman, Jordan)  
10/2017 – 02/2021

- Graduated with an average of 77.6% (Very Good), equivalent to a GPA of 3.1/4.

**High School Diploma**  
*First Secondary School of Abha (Abha, Saudi Arabia)*  
2013 – 2016

- Achieved an average of 96.03%, equivalent to 80.08% (Jordan Ministry of Education Certification).

### Additional Education

- *Mecca Intermediate School* (Abha, Saudi Arabia) | 2010 – 2013
  - *Anjara Elementary School* (Ajlun, Jordan) | 2009 – 2010
  - *Robert-Koch Realschule* (Stuttgart, Germany) | 2008 – 2009
  - *Pfaffenwald-Schule* (Stuttgart, Germany) | 2004 – 2008
  - *Kinderhaus Uni-Kids* (Stuttgart, Germany) | 2001 – 2004
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### WORK EXPERIENCE

#### MID ERP Full Stack Developer

*Syarah | December 2023 – Present*

#### ERP Full Stack Developer

*Nixpend | September 2022 – December 2023*

#### System Development Officer

*Extensya | June 2021 – March 2022*

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### ACCOMPLISHMENTS

- Creator of **Philadelphia University Forms Project**.
  - Developed **Mecca School Website** (Abha, KSA).
  - Built **Jordan Prayer Times App**.
  - Designed and published **Cubic Maze Runner Game**.
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### LANGUAGES

- **English** (Fluent)
  - **German** (Intermediate)
  - **Arabic** (Native)
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### SOFTWARE SKILLS

- **Programming:** C#, Java, Python, C++, PHP, HTML, CSS, JavaScript, SQL/MySQL, VB, Visual Basic, VBS, BAT.
  - **Frameworks & Libraries:** .NET, ASP.net, React, Angular, Laravel, Flutter, Node.js, Frappe, Jinja, ERPNext.
  - **Game Engines:** Unreal Engine, Unity.
  - **Operating Systems:** Linux (Kali, Ubuntu, Manjaro).
  - **Other Tools:** Docker, Visual Studio.
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[\*\*GitHub Profile\*\*](#)

Work Experience in Next Pages

**Company:** Syarah

**Title:** MID - ERP Full Stack Developer

**Acting Roles:** ERP Trainer, DevOps Engineer, Acting Team Lead

**Experience:** December 2023 – Present

## Technical Expertise

- **Development:** Frappe Framework (JS/Python), Python, JavaScript, Vue.js, Vuetify, ERPNext, JINJA, HTML, CSS, Ajax, jQuery, SQL/MySQL
- **DevOps:** Ubuntu, Cloudflare, NGINX, AWS Cloud, Docker
- **Tools:** Bitbucket, WSL, VS Code (command-line operations: Frappe, Bench, Git, Linux, Python Console)

## Key Contributions

### Training & Mentorship

- Conducted Frappe/ERPNext, Python, and JavaScript training, mentoring team members to enhance technical skills.
- Supervised team members providing guidance and support.

### Development & Implementation

- Upgraded Frappe/ERPNext from v13 to v15, separating and optimizing a built-in Vue.js application.
- Migrated ERP files to S3, contributed to RDS migration and High Availability solutions.
- Designed a customizable Kanban board and resolved complex related issues.
- Automated Frappe/ERPNext instance setup using Bash scripts for WSL and Ubuntu.
- Created a full document generator for erp from scratch which does the same as [Docmosis](#).

### DevOps & Infrastructure Management

- Managed environments for UAT, QA, Preproduction, and Outsourcing pipelines.
- Implemented RDS master-replica mechanisms and resolved load balancer issues for high availability.
- Delivered containerized environments, including the "Syarah Devbox" for streamlined development workflows.

### Leadership & Problem-Solving

- Acted as team lead during ERP releases, ensuring stable rollouts.
- Resolved critical production issues under tight deadlines, stabilizing environments.
- Conducted code audits, improving quality and consistency.

### Optimization & Innovation

- Built the Frappe Developer Toolbox, increasing development efficiency.
- Optimized SQL queries for key functions, significantly improving performance.
- Developed pre- and post-migration hooks to index tables, enhancing performance without altering core ERP.
- Created a fully customizable Sync Module for better scalability.

### Additional Contributions

- Developed QR code batch printing within the erp modules.
- Regularly resolved live production issues using efficient SQL queries or server scripts.
- Shared knowledge via GitHub branches, contributing to the Frappe/ERPNext community.
- Helped and contributed to the docker deployment with fellow colleague.

**Company:** Nixpend

**Title:** ERP Full Stack Developer

**Acting Roles:** ERP Trainer, Release Manager, Team Helper

**Experience:** September 2022 – December 2023 (1 Year, 4 Months)

## Technical Expertise

- **Development:** Frappe Framework (JS/Python), Python, JavaScript, ERPNext, JINJA, HTML, CSS, Ajax, jQuery, SQL/MySQL
- **Tools:** GitLab, VS Code (command-line operations: Frappe, Bench, Git, Linux, Python Console)

## Key Contributions

### Development & Customization

- Built custom Doctypes and modules with related reports and functionalities, including HR, appointment bookings, accounting, and procedural enhancements.
- Developed a **Revenue Sharing Module** to automate distribution of revenue via invoices for healthcare practitioners.
- Customized accounting modules (e.g., sales invoices, journal entries) using Python and JavaScript.
- Upgraded the ERP/Frappe system from v13 to v14, performing patches and migrations.

### API Development & Integration

- Created custom APIs and integrated the ERP system with external healthcare systems like Medical.
- Implemented webhooks to enhance system connectivity and workflows.
- Fully integrated ERP file storage with cloud services (Scaleway S3, Oracle Object Storage OCI, Google Cloud Files S3).

### Process Management & Automation

- Oversaw ticket distribution and managed weekly updates/releases, including code reviews and merge requests.
- Created Bash and Python scripts for operational efficiency, such as resetting Docker containers, SSH key generation, branch management, and Git validation workflows.

### Training & Leadership

- Trained and mentored three new hires, fostering independence and technical growth.
- Supervised ticket execution from planning to production release, ensuring quality and timely delivery.

### Optimization & Infrastructure

- Streamlined work environments by automating critical processes using custom scripts.
- Enhanced system scalability and reliability through cloud integrations and optimized configurations.

**Company:** Extensya

**Title:** System Development Officer

**Experience:** June 2021 – March 2022 (10 Months)

## Technical Expertise

- **Development:** PHP, HTML, CSS, JavaScript, Ajax, jQuery, SQL/MySQL, Custom APIs
- **Tools:** Joomla (CMS), FileZilla (FTP), Navicat (Database Management)

## Key Contributions

### Development & Customization

- Created and maintained **web forms** for quality evaluations and call logging, serving ~40 clients.
- Developed internal systems such as ECT (employee announcements), online/English assessments, Extensya's chat tool, and live agent help desk.
- Built custom APIs, including data retrieval from Zendesk, converting object arrays to JSON, and exporting data to Excel sheets (CSV/XLS), preserving special characters and Arabic text via **PHPMAILER**.

### Project Leadership

- **Headcount Project:**
  - Automated employee database entry by integrating Talent Acquisition and Training tools.
  - Designed forms for managing internal emails and badge IDs, ensuring multi-departmental approval processes.
- **DQMS Library Project:**
  - Developed a **digital library** with a file manager for upload/delete operations and a tree-view structure for file browsing.
  - Enabled in-browser viewing for PDFs, videos, images, text files, and supported Excel downloads.
- **Procurement Tool:**
  - Digitized the company's purchase order process, transitioning from paper-based to automated workflows.
  - Integrated features like email notifications, personnel validations, digital signatures, and pricing with discount/tax calculations.

### Process Improvement & Automation

- Streamlined company workflows by creating tools and scripts for editing, debugging, and testing internal systems.
- Enhanced employee productivity with tools like the Procurement Tool, managing requests, approvals, and vendor evaluations.

### Additional Contributions

- Maintained and upgraded systems such as OMS for employee database and operational management.
- Collaborated on the design and functionality of employee-facing tools to optimize communication and task management.