MUNES BANI FAWAZ
Senior Full Stack Software Engineer

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.

CONTACT

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Date of Birth: 04/09/1998
Nationality: Jordanian

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

WORK EXPERIENCE

SENIOR ERP Full Stack Developer & ERP Squad Lead
*Syarah | **April** 2025 – Present*

MID ERP Full Stack Developer
*Syarah | December 2023 – **April 2025***

ERP Full Stack Developer
Nixpend | September 2022 – December 2023

System Development Officer
Extensya | June 2021 – March 2022

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**.

LANGUAGES

- **English** (Fluent) - **German** (Intermediate) - **Arabic** (Native)

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, Flask.
- **Game Engines:** Unreal Engine, Unity.
- **Operating Systems:** Linux (Kali, Ubuntu, Manjaro).
- **Other Tools:** Docker, Visual Studio.

Portfolio - **GitHub** - **YouTube** - **LinkedIn**

Company: Syarah
Title: Senior - ERP Full Stack Developer – Squad Lead
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

Strategic Leadership & Innovation

- Lead the ERP Squad, overseeing the strategic direction and execution of ERPNext and Frappe-related projects.
- Drive cross-functional coordination to ensure timely delivery of high-quality ERP features and upgrades.
- Prioritize tasks, mentor developers, and conduct performance reviews aligned with company goals and team development.
- Foster a collaborative, innovative environment focused on continuous improvement and business impact.
- Define technical strategies and lead architecture decisions for scalable, high-performance ERP systems.

Training & Mentorship

- Conducted technical training sessions on Frappe/ERPNext, Python, and JavaScript for internal team growth.
- Provided ongoing mentorship and technical guidance to developers at various skill levels.
- Supported onboarding and upskilling of new team members through structured sessions and code reviews.

Development & Implementation

- Upgraded Frappe/ERPNext from v13 to v15, decoupled and optimized a built-in Vue.js front-end application.
- Built a complete document generation module from scratch (similar to [Docmosis](#)), tailored for ERP needs.
- Developed the "Single View Connector," a standalone Flask application for integrating with external banking and third-party services.
- Designed and implemented a customizable Kanban board and resolved complex user interaction challenges.
- Automated instance setup using Bash for WSL and Ubuntu environments, reducing developer setup time.

DevOps & Infrastructure Management

- Managed UAT, QA, Preproduction, and Outsourcing environments with a focus on stability and scalability.
- Contributed to the migration of ERP files to AWS S3 and played a key role in RDS configuration and high-availability setup.
- Resolved complex issues related to load balancing and implemented RDS master-replica replication.
- Delivered containerized environments using Docker, including the "Syarah Devbox" for streamlined local development.

Leadership & Problem-Solving

- Led ERP releases, ensuring stable rollouts and efficient coordination with stakeholders.

- Conducted performance reviews, mentored junior and mid-level developers, and ensured team alignment with business goals.
- Spearheaded code quality initiatives through detailed code reviews and audit sessions.
- Resolved critical production issues under pressure, stabilizing the system and improving resilience.

Optimization & Innovation

- Created the "Frappe Developer Toolbox" to streamline repetitive development tasks and boost efficiency.
- Optimized SQL queries for high-impact modules, improving performance significantly.
- Built pre- and post-migration indexing hooks to enhance table performance without altering ERP core.
- Developed a fully customizable Sync Module to support scalable multi-system data exchange.

Additional Contributions

- Implemented batch QR code printing within ERP modules for operational efficiency.
- Regularly resolved live production issues using a combination of SQL scripting and server-side debugging.
- Shared knowledge and reusable modules through internal GitHub branches, contributing to the broader Frappe/ERPNext community.
- Collaborated with DevOps teammates to enhance and document Docker-based deployment processes.

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.