

Rami Mamdouh Shook

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Experienced Software Developer with Expertise in Backend Development and Automation

A highly skilled software developer with extensive experience in backend development, automation, and scripting. Proficient in Java, PHP (Laravel), and Node.js with a strong focus on building scalable, event-driven architectures using technologies like Kafka and Kubernetes. Proven ability to deliver high-quality solutions, automate complex workflows using Java with Selenium and TestNG, and integrate systems with CI/CD pipelines (Jenkins). Versatile in scripting with JavaScript/TypeScript, working across various environments, and adept at using cloud technologies (AWS) and containerization tools (Docker, K8s). Strong collaborator with a focus on problem-solving, continuous learning, and supporting development teams to overcome technical challenges.

Education

Ahmad Akram Awaida institute

o **Higher Technical Diploma (Technicien Supérieur - TS)** - Management Information Systems (MIS)

in Management Information Systems (MIS) / Programming

2017-2019 2019-2020

o **Technical License (Licence Technique - LT)** -

Work Experience

Software Developer at Blockchain Intelligence Group (Remotely) • Role: Quality Assurance Team Lead and Business Process Manager - Leading automation and QA efforts while bridging business requirements and technical delivery across development teams. • Business Process & Project Management: ○ Act as the primary liaison between business stakeholders and the technical team - translating business objectives into clear, actionable technical requirements. ○ Define, document, and optimize workflows to align engineering efforts with strategic business goals. ○ Coordinate sprint planning and prioritization to ensure timely, high-quality delivery of features and improvements. ○ Facilitate communication and decision-making between product, QA, and development teams to maintain alignment and efficiency.. • Automation & Quality Assurance: ○ Design, develop, and maintain automated testing pipelines to ensure code quality and reliability. ○ Integrate QA processes into the CI/CD pipeline to streamline testing and deployment. ○ Establish and enforce QA standards and best practices across the engineering team. • Back-end Development: ○ Develop new features and services to meet evolving business requirements. ○ Maintain and optimize existing backend components, focusing on performance, scalability, and reliability. ○ Utilize tools like Kafka for real-time data processing and message brokering. • OSINT Scripting: ○ Write and maintain scripts to support open-source intelligence (OSINT) gathering and analysis.	02/2022 – Present
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○ Develop custom scripts to automate the collection, processing, and analysis of publicly available information. ○ Support investigations by providing actionable insights through automated OSINT tools. ● Collaboration: ○ Work closely with developers, product managers, and stakeholders to ensure efficient workflow and task prioritization. ○ Provide support to other developers, offering technical guidance and troubleshooting assistance.	
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Back-end web developer at Phoenix Media Agency ● Backend Development & CMS Design: ○ Led the development of custom content management systems (CMS) tailored to client needs, using PHP, MySQL, and modern frameworks like Laravel, ensuring scalability and ease of use for non-technical users. ○ Architected efficient server-side applications and RESTful APIs to handle large volumes of web traffic, enabling seamless communication between front-end and back-end systems. ● Database & Server Management: ○ Designed and optimized relational databases for high-performance querying and data retrieval, implementing best practices for indexing, partitioning, and caching. ○ Integrated advanced data management solutions using tools like Redis for caching handling real-time data streams, ensuring fast, reliable data processing. ● Cloud & DevOps: ○ Deployed and managed applications on cloud platforms such as AWS, utilizing services like EC2, S3, and RDS for scalable hosting, storage, and database solutions. ○ Implemented CI/CD pipelines using Jenkins and Docker, automating deployment processes and reducing the time to production. ● Collaboration & Agile Development: ○ Worked closely with cross-functional teams, including designers and front-end developers, to deliver feature-rich web applications that met client specifications and industry standards. ○ Participated in Agile development processes, contributing to sprint planning, daily stand-ups, and code reviews to ensure timely delivery of high-quality software.	5/2021 — 1/2022
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Web developer at Sabsabi's group Full-Stack Development: - Led the design and development of a fully integrated web-based system to manage product inventory, sales, and fulfillment workflows, using PHP for the back-end, MySQL for the database, and incorporating messaging systems like Kafka for real-time data synchronization. - Built the front-end with modern web technologies such as JavaScript, HTML5, and CSS, leveraging open-source libraries like Bootstrap, MDL, and jQuery for a responsive and user-friendly interface. Inventory and Sales Management: - Developed a product inventory system where warehouse staff could input product availability, quantities, and expected restock dates, allowing real-time updates for the sales team. - Created a seamless order management system, enabling the sales team to make customer orders based on real-time inventory data, ensuring order accuracy and minimizing delays. - Implemented automated workflows to notify warehouse staff of new orders, track fulfillment status, and update sales with shipment and delivery statuses. - Integrated payment tracking, ensuring that sales orders were marked as paid upon receipt of invoices from delivery partners. Management Insights & Reporting: - Developed custom reporting and dashboard features for management to track key business metrics such as sales performance, fulfillment efficiency, and inventory levels. - Utilized Kafka to provide real-time data insights across departments, enabling dynamic reporting on sales orders, fulfillment timelines, and overall business operations.	4/2020 — 6/2021
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Languages:

- **Arabic:** Native
- **English:** Fluent (written and spoken)
- **French:** Basic proficiency (primary school education)

Programming technical skills:

- **Languages:**

- **Java** (primary for backend development, automation)
- **PHP** (Laravel framework)
- **JavaScript/TypeScript** (for scripting, Node.js environment):

- **Backend Technologies**

- **Kafka** (event-driven architecture)
- **Kubernetes (K8s)** (container orchestration)
- **MySQL** (primary database), **PostgreSQL**, **MongoDB**
- **PHP/Laravel** for backend services

- **Automation & Testing:**

- **Java** with **Selenium** and **TestNG** for test automation
- **Jenkins** for CI/CD pipelines and integration with testing suites
- Implementing monitoring tools and automated test with **APM**

- **DevOps & Cloud:**

- **Docker** and **Kubernetes** for containerization and orchestration
- Experience with **AWS** (Amazon Web Services) for cloud deployment and infrastructure management

Jenkins for continuous integration/continuous delivery (CI/CD)

- **Scripting & Tools:**

- **Node.js, JavaScript, TypeScript** for automation and custom scripts

- **Version Control:**

- Proficient with **GIT** for version control and collaboration in team environments

- **Scripting & Tools:**

- **Node.js, JavaScript, TypeScript** for automation and custom scripts