Ilyass Hmamou

Highly skilled and experienced Software Architect/Engineer with a proven track record in designing and developing innovative software solutions. Seeking a challenging role where I can leverage my expertise in system architecture, software engineering, and team leadership to drive technological excellence and deliver cutting-edge products.

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EXPERIENCE

Intelycare, Quincy, MA

Software architect

Mar 2021 - Jun 2023

- Wrote and Explained Technical specifications documents to the engineering teams for high impact and critical business projects
- Designed and implemented complex database solutions (mySQL)
- Collaborated with product team to define business requirements for innovative projects
- Explored and integrated third-party vendors such as Twilio, ADP, Zendesk, and others into the systems.

Highlighted Projects:

- **Tech Debt:**
  Designed and led the migration of multiple projects from a monolithic architecture implemented in PHP to a microservices architecture implemented in Java

- **Nurse qualifications dynamic system**
  Designed and led the development of a dynamic system (PHP-MySQL) that enabled professional Nurses with various qualifications to apply for and select jobs at Intelycare without requiring any code updates. Prior to this project, Intelycare exclusively accommodated nurses with only three specific qualifications.

- **Notification management service**
  Designed and led the creation of a Java-MySQL microservice designed to facilitate the delivery of notifications, including text messages, Zendesk support tickets, push notifications, and emails. This service seamlessly was integrated with third-party providers Twilio for text message delivery and Zendesk for support ticket creation, while leveraging AWS SQS (Amazon Simple Queue Service) to queue notifications before their distribution.

SKILLS

Java, PHP, VB .net, Python, mySQL

Agile, Scrum, Jira, Confluence

Communication, Leadership, Management

Git, Bitbucket

Apache, AWS, Docker

LANGUAGES

English: Fluent
Arabic: Native
French: Basic

Technical lead

Jun 2019 - Mar 2021

- Provided leadership to software pods/teams.
- Engaged in collaborative efforts with offshore teams.
- Supervised system and code adjustments.
- Conducted thorough code reviews.

Highlighted Projects:

- <u>Background check service</u>
  Designed and Implemented a Java-MySQL system to manage background check requirements for various nursing types across all states. This system autonomously identifies the nursing type and state of applicant Nurses, without the need for manual code updates, and prompts them to submit the necessary documentation during the onboarding process.

- <u>Search engine</u>
  Implemented a search engine (Java-MySQL) that enables users (Internal operations team members) to search for Facilities (Nursing Homes) and Nurses within the system by utilizing diverse search criteria, including Name, State, City, Zip Code, and Nurse Type (for nurses), among others.

Backend Software Engineer

Jan 2017 - Jun 2019

- Designed and implemented different software solutions
- Diagnosed and resolved production bugs

Highlighted Projects:

- <u>Open shifts/Jobs</u>

  Developed a job/shift search and matching system (PHP-MySQL) enabling our Nurses to find job opportunities that align with their preferences and qualifications.

EDUCATION

Southern New Hampshire University, Manchester, NH — *Bachelor's degree*

2019 - current (expected graduation on Dec 2023)

Major : Computer science

Quincy college, Quincy, MA — *Associate's degree*

2013 - 2016

Major : Computer science

ESIA, Casablanca, Morocco — *Bachelor's degree*

2009 - 2013

Major : Information technology