ISMAIL LAHBARI

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Education

Software Engineering Program
ALX/Holberton school
03/2023 – 04/2024 | Casablanca, Morocco
  Completed in partnership with Holberton School.

Master's degree in computer engineering
Hassan II Ain chock University
2015 – 2017 | Casablanca, Morocco

Bachelor's degree in computer engineering
Hassan II Ain chock University
2011 – 2014 | Casablanca, Morocco

High School Diploma in Science math
Othman ibn affan high school
2010 – 2011 | Casablanca, Morocco

Professional Experience

Python developer Intern
CodSoft
08/2024 – present
  My role involves:
- Developed and optimized code for various projects.
- Maintained a dedicated GitHub repository for project management and collaboration.

Web Development Intern
CodeAlpha
08/2024 – present

  My responsibilities will include:

- Collaborating with the team to build and enhance web applications using modern technologies.
- Gaining hands-on experience with various web development technologies and tools.
- Contributed to projects, enhancing technical skills and knowledge.
- Sharing progress and completed tasks through LinkedIn and GitHub, enhancing my technical portfolio.

Freelance Full-Stack developer
Upwork
01/2024 – present
- Delivered end-to-end web development solutions, specializing in custom web applications.
- Key expertise includes:
  - Full-stack development (front-end: HTML, CSS, JavaScript, React, Next.js; back-end: Node.js, Express.js, Django, Flask).
  - Responsive design, SEO, and performance optimization.
  - UI/UX design and prototyping with Figma.
  - Database management and cloud computing.
  - CI/CD implementation and API/AI integration.
  - Successfully managed projects from concept to deployment, ensuring client satisfaction.

Software Engineer Intern
alx_africa
02/2023 – 04/2024

Profile

Innovative Full-Stack Software Engineer with expertise in AI, DevOps, and full-stack development. Adept at designing, developing, and maintaining high-performance software applications. Proficient in IT infrastructure, security, and optimization. Bilingual in French and English, with strong problem-solving skills and a proven track record of delivering impactful solutions.

Projects

Portfolio website
Developed with Next.js 14 & Deployed on Vercel
03/2024 – 04/2024
- Created a modern, responsive portfolio website using Next.js 14 showcasing personal and professional projects
- Features include interactive chatbot, detailed project sections, and SEO optimization
- Enhanced user engagement by 25% through interactive features
- Deployed on Vercel for optimized performance and seamless hosting, the website demonstrates expertise in full-stack development and front-end design.

AirBnB Clone Project
Built with Python, Flask, and SQLAlchemy | Deployed with Fabric and CI/CD
07/2023 – 04/2024
- Developed a full-stack AirBnB clone, handling front-end, back-end, and database integration.
- Built the backend and command interpreter with Python, enabling core data operations.
- Designed responsive static pages using HTML and CSS.
- Integrated MySQL for data management with SQLAlchemy ORM.
- Created a dynamic web interface using Flask, RESTful API, and JavaScript (jQuery).
- Deployed the application across multiple servers using Fabric and CI/CD methodologies.

Interests

- Hobbies: Football, bodybuilding, reading, travel, programming, tech trends, online gaming
- Strengths: Complex problem-solving, adaptability, customer service, analytical thinking, project management

Languages

English ●●●●○

French ●●●●●

- Gained hands-on experience in front-end and back-end development, with a focus on creating scalable software solutions.
- Built numerous projects using a range of programming languages and frameworks to solve real-world challenges.
- Applied industry best practices in project management, communication, and collaboration.
- Enhanced problem-solving abilities and soft skills essential for success in the tech industry.
- Engaged with a dynamic community of tech professionals, further expanding my industry knowledge.

IT Engineer
L&H Computer

2020 – 2022 | Casablanca, Maroc
- Installed, configured, and maintained servers, networks, and storage systems.
- Provided technical support and training, managed data backups, and performed system diagnostics.
- Ensured data security and operational monitoring.
- Responded swiftly to breakdowns (e.g., black screens, lost files, viruses).
- Diagnosed failures, replaced defective components (e.g., hard drives, graphics cards), and conducted control tests.
- Proactively anticipated issues and proposed improvement solutions.

Senior IT Technician
Mup Maroc

2018 – 2020 | Mohammedia, Maroc
- Connect and install hardware, peripherals and devices
- Install and update software.
- Provided technical support, monitored IT system performance, managed data backups and security.
- Diagnosed and resolved hardware and software malfunctions, optimizing IT infrastructure.
- Plan a schedule of maintenance interventions

IT Infrastructure Engineer (Graduation Project)
OCP Group

03/2017 – 07/2017 | El-Jadida, Morocco
- Managed and optimized IT infrastructure, ensuring reliability, security, and performance.
- Responsible for server setup, network monitoring, and infrastructure project support.

Automation Engineer (Graduation Project)
OCP Group

04/2015 – 06/2015 | El-Jadida, Morocco

Project: Renovation of Automation and Supervision Systems for Fertilizer and Phosphate Handling Unit

Certificates

- Programming Hub Certifications (Python, HTML/CSS/JS, Next JS, Express JS, Node JS, Typescript, React Development, DevOps, SQL, SEO, Cloud Computing, UI/UX, IOT)

- ALX AiCE - AI Career Essentials

- Certification Cisco: CCNA

- Certifciation Microsoft Office 365

- Certification windows server 2012

- Sales force S001

- CCP (Professional Skills Certificate)

Awards

Fundamentals of Generative AI Badge
Microsoft

13/07/2024

Acquired deep understanding of generative AI, including language models, prompting, and copilots.

Skills

- OS: Linux/UNIX, Ubuntu , Windows, macOS

- Programming: HTMLl5/CSS3/JS, Python, C/C++, OOP, SASS, PowerShell, RESTful API, GraphQL, VB, CNC

- Frameworks/Libraries: React, Node.js, Express.js, Django, Flask, WordPress, Shopify

- Software development tools: Git, GitHub, NPN/Yarn, Slack, Discord, IDE (VS, VS code, PyCharm, Dev Tools, Jest Unit Testing.), Vim and Emacs)

- Database: MongoDB/MySQL/PostgreSQL, Oracle, Apache Cassandra, PostgreSQL, MS-SQL

- UI/UX Design: Figma, Responsive Design, jQuery

- Virtualization: VMware, HyperV, VirtualBox

- Project management: Agile/Scrum methodologies, Notion, JIRA, Trello

- DevOps & Cloud: Docker, Kubernetes, Cloud Services (AWS, Azure), CI/CD (Jenkins, GitHub Actions)

- Testing & Quality: Pytest (Python), Jest (JavaScript), Postman for API testing

- Administrative tools: Active Directory, PowerShell, Bash

- Web Servers: Apache, Nginx

- AI: GenAI, LLMs, AI Tools, Prompting IA

- Data Visualization, Data Analysis

- Security Management: FIREWALL, PFSense, Sonicwall

- Knowledge of Oracle databases, Apache Cassandra, PostgreSQL, MS-SQL and Exchange, SharePoint applications

- Maintenance of MICROS-Fidelio OPERA servers, Outlook email, NAS server, etc.

- Network monitoring (Ethernet, Wan and Wifi), security (Proxy, antivirus, firewall).

- Networking: Wireless, VPN, TCP/IP, DHCP, DNS, LAN/WAN, VPN, Firewall

- Computer hardware: Installation, troubleshooting, repair and upgrade

- Strong understanding of social media platforms and analytics