

Moheddine Belhaj Alaya

Software Engineer

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SUMMARY:

I'm Software Engineer specializing in Go, TypeScript, Vue.js, Nuxt.js and operational excellence, successfully leading Production and QA deployments across multiple European countries using Azure DevOps CI/CD. I enhanced application reliability and quality by implementing End-to-End tests (Playwright E2E, Unit Tests) and resolving critical accessibility and design issues. Key contributions include delivering high-impact features such as the international Lidl Store Search and details pages development and deployment, as well as developing a custom cookie script for regional customer targeting. I leverage a Full-Stack background, including unique experience in AI Prompt Engineering, and maintain a high drive for learning and top performance.

SKILLS:

- Vue.js
- React
- Nuxt.js
- Go
- TypeScript
- JavaScript
- Node.js
- Azure DevOps
- CI/CD
- Kubernetes
- Docker
- kubectl
- n8n
- PostgreSQL
- MongoDB
- Onyx
- Unit Testing
- Playwright
- Scrum /Agile

WORK EXPERIENCE:

SCHWARZ IT KG

Neckarsulm Germany

Junior Professional Software Engineer

May 2025 - October 2025

Contributed to the international Lidl Store Search platform, focusing on developing, depolying, and regionalization for European markets.

- Successfully led Production (PROD) and Quality Assurance (QA) deployments across multiple European countries for the Lidl Store Search ,leveraging Azure DevOps to manage complex CI/CD pipelines
- Contributed in development and deployment the new Lidl Store Search, including features for store discovery, interactive visualization on Bing Maps, and search functionality based on the user's live location.
- Developed the filtering logic for the Lidl Store Search and I created a synchronized state between the list view and the Microsoft Bing Maps API , ensuring that map pins and store cards updated instantly across the UI.
- Improved software quality and delivery speed by developing End-to-End and unit tests to ensure code stability during updates and optimize overall testing time.
- Resolved critical accessibility (AIYY) and design compliance issues for core UI components (Bing Maps controls, rating buttons), ensuring an inclusive user experience.
- Supported a major PostgreSQL version upgrade and improved backend stability by managing and monitoring country-specific Cron jobs and I optimized deployment schedules to ensure reliability across multiple regional production environments.
- Collaborated with the Spanish department to develop a script that identifies the closest Lidl store using user geolocation data, utilizing cookies to cache user preferences and optimize the local shopping experience.
- Executed complex refactoring of shared Vue components to eliminate redundancy and localize codebases for different country languages.

Scale AI

United States (Freelance)

Software Engineer (AI Training Data)

June 2024 - May 2025

Designed high-quality data to train and evaluate large language models (LLMs).

- Architected and developed high quality coding prompts and solutions in Python, C/C++, Go, and JavaScript to train LLMs on reasoning, problem solving and code optimization.
- Collaborated with a team in coding pods, supporting and guidance taskers to optimize prompt creation and ensure consistent project delivery.
- Reviewer: reviewed code, conducted testing, implemented fixes, and provided feedback to other developers to enhance code quality and improve prompt accuracy.

WORK EXPERIENCE:

StartUp

Tunis, Tunisia

Junior Software Developer

January 2021- August 2021

Full-stack development of a dual mobile application platform for delivery management.

- Led full-stack development of two mobile delivery management applications (Customer App and Delivery Personnel App) using React Native, Node.js, Express.js and mongoDB.
- Designed and implemented core functionalities such as user authentication, real-time order tracking, and delivery status updates, with ensuring friendly user interaction.
- Developed server-side logic and APIs using Node.js and Express.js, integrating MongoDB for efficient data management and the connectivity between both apps.
- Integrated real-time GEO tracking, enabling dynamic map rendering and accurate user location updates for enhanced delivery tracking using google map API.

EDUCATION:

Software developer

March 2023 - Present

42 Heilbronn

Engineers in Computer Science, Web Technology

October 2021 - February 2023

The Higher Institute of Computer Science and Multimedia in Sfax

Bachelor of Computer Science

October 2018 - May 2021

Higher Institute of Computer Science Mahdia

CERTIFICATES:

Programming with Go Specialization- University of California,Irvine

August 2024

Coursera

- Learning the basics of Go
- Functions, Methods, and Interfaces in Go
- Concurrency in Go

CKAD: Certified Kubernetes Application Developer

2026

Coursera

- Container orchestration and deployment: Gain the ability to design, build and configure cloud-native applications using Kubernetes.
- Application lifecycle management: managing rolling updates, rollbacks and multi-container design patterns.
- Resource monitoring and troubleshooting : troubleshoot containerized application and monitoring resource consumption and resolving connectivity issues within a cluster.
- Storage and Configuration Management: managing application logic from environment data using ConfigMaps, Secrets, and Persistent Volumes.

ORGANIZATIONS:

42 Heilbronn Assistant Team - HAT

January 2024 - Present

42 Heilbronn, Germany

- Volunteered to help new programmers at 42 Heilbronn by guiding them through the entire month of the Piscine (bootcamp), evaluating their progress, and assisting them in learning.

LANGUAGE:

- English
- French
- Arabic
- German (A2)