# ALEXANDRU MIHALAȘCU

Software Developer & OSS Engineer passionate about automation and process automation.

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## LANGUAGE

- Romanian ( Native )
- English ( Advanced )
- German ( Elementary )

## SKILLS

Technical:

- Front End Development: HTML, CSS, JavaScript, React.js, Vue.js, Material-UI, Next.js
- Back-End Development: Node.js, Express.js, Python, PHP, Firebase
- Database Management: MongoDB, MySQL, Firestore

Soft:

- Communication
- Teamwork
- Attention to Detail

## EXPERIENCE

**Software Developer @ Huawei TAC Romania**
**Bucharest, Romania**
**February 2025 – Present (concurrent with OSS Engineer role)**

- Develop and maintain internal tools and dashboards using Vue 3, Tailwind CSS, MySQL, and GaussDB to optimize TAC operations.
- Create automation scripts, browser extensions, and scalable platforms that improve workflow efficiency and team productivity.

**OSS Engineer @ Huawei TAC Romania**
**Bucharest, Romania**
**February 2025 - Present**

- Contribute to the development of internal tools and dashboard (PHP/Symfony, MySQL, Twig), delivering new features and enhancing usability for both technical and non-technical users.
- Provide enterprise-level technical support by efficiently managing and resolving complex incidents, ensuring service continuity and customer satisfaction.

**Internship @ Huawei TAC Romania**
**Bucharest, Romania**
**December 2024 - February 2025**

- Gained hands-on knowledge of VLAN, IP routing, Ethernet switching, and datacom fundamentals.
- Learned storage technologies including SAN, NAS, RAID, and server troubleshooting techniques.
- Studied LTE and 5G wireless technologies, common network devices, and equipment.
- Understood core network architecture, protocols, and key network products.
- Familiarized with BSS systems and software applications in modern telecom networks.

**Student Internship @ Verde Smart Data**
**Bucharest, Romania**
**May-June 2023**

- Front-End Development ( Vue.js, Vuetify )
- Back-End Development (Feathers.js, Node.js )
- Database management ( MongoDB )
- Version control ( Git )
- Package management ( NPM )
- Web automation( Pupeteer )
- API Integration ( OpenAI API )

## EDUCATION

**Romanian-American University @ Bucharest**

Bachelor's Degree in Economic Informatics
2021-2024

## VOLUNTEERS

### Volunteer @ Bucharest Tech Week
10-16 June 2024 & 24-28 May 2023

- Managed participant registration and check-in processes for over 3,000 attendees, ensuring accurate data collection and efficient handling of event logistics.
- Provided technical support for attendees and speakers, assisting with badge printing, event app navigation, and resolving registration issues in real-time.
- Collaborated with event staff and coordinators, helping optimize the flow of the registration area and improving overall attendee satisfaction.

### Volunteer @ GoTech World

8-9 November 2023 & 2-4 November 2022

- Assisted in the organization of event logistics, helping with the setup of speaker stages, exhibition stands, and food service areas to ensure smooth operations for a large-scale tech event with over 2,000 attendees.
- Supported event staff and exhibitors, ensuring technical equipment was properly arranged and prepared for presentations and demos.
- Facilitated communication between various teams, helping to maintain the schedule and minimize disruptions during the event.

## ADDITIONAL INFORMATION

- **Driving License:** Category B

## PROJECTS

### RKC Rent-A-Car

**Progressive Web Application (PWA) for Car Rental Services**

**Tech Stack: React, Material UI, Emotion, Firebase (Auth, Firestore, Storage, Cloud Functions), Cloud Vision API**

- Developed a responsive, installable web application that offers a seamless user experience across devices, including light/dark modes and customizable color presets.
- Automated the entire car rental process, including contract generation, handover protocols, invoicing, and claims requests to insurers, streamlining operations and reducing manual work.
- Built car filtering, rental request processing, and document management systems using Firebase for real-time data handling and storage.
- Utilized Google Cloud Vision API for processing and verifying user-uploaded documents, ensuring fast and accurate data extraction.
- Designed dynamic dashboards for car and rental statistics, improving administrative decision-making and efficiency in managing the fleet.
- Created an admin panel for managing rental requests, viewing statistics, and handling customer reviews and FAQs, improving overall business operations.

### H-Graphs

**Web Application for Hospital Staff Schedule Management**

**Tech Stack: React, Material UI, Firebase (Database & Authentication), ExcelJS, date-fns, Framer Motion, Vite**

- Developed a modern, responsive application for managing hospital staff schedules, optimizing shift planning and reporting.
- Implemented features for managing staff categories (medical and support), tracking specialized skills, and handling staff statuses.
- Designed a robust scheduling system supporting multiple shifts, vacations, and delegations, with automatic conflict detection and hour summaries.
- Built an interactive dashboard for real-time statistics, change history tracking, and detailed reporting.
- Enabled Excel export with predefined templates and customizable configurations for streamlined sharing.
- Integrated user authentication, roles, and permissions for secure and efficient operation.
- Delivered a fully responsive design with dark mode support, ensuring usability across devices.