

Roman Ovidiu-Robert

Backend Web Developer/Team Lead

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Profile



I am a problem solver, with a thought process focused on attention to detail and a strong capability of solving complex tasks.

I always work on improving my technical skills, which is why I invest constantly in new courses and do personal projects, in order to get better at what I do.

Honoring my promises always takes priority!

Experience



2023-present

Senior Backend Developer/Team Lead

- **Led** the backend delivery for an international distributor of products for electronic system design and production, ensuring timely and effective solutions.
- **Up front and just in time solutioning**
- **Estimated and allocated technical tasks**, providing clear direction for the team.
- **Supervised and coordinated** a team of 5 backend developers, fostering a collaborative and productive work environment.
- **Established and enforced coding standards** and guidelines to ensure consistency and quality across the development process.
- **Reviewed pull requests** from team members, verifying adherence to coding standards and best practices.
- Provided **mentoring and guidance** to team members, enhancing their skills and professional growth.
- Coordinated with other squads to meet delivery goals and ensure seamless integration of backend components.
- **Conducted interviews** for senior backend positions, selecting qualified candidates to strengthen the team.
- Provided guidance, support, and **training** to colleagues, ensuring their successful onboarding and integration.
- Actively contributed to the development of backend components, maintaining hands-on involvement in the project's technical aspects.



2022-2023

Intermediate Backend Developer

- Led the backend team in developing an e-commerce solution for a sports club, overseeing all aspects of the backend development process.
- Provided guidance and support to developers, ensuring they were connected with the appropriate staff for their respective tasks.
- Focused on maintaining high team morale and productivity, fostering a positive and efficient working environment.

- Conducted training sessions for developers on new technologies introduced in the project, ensuring the team was equipped with the necessary skills.
- Took responsibility for determining the implementation order and evaluating options, ensuring efficient and effective project progression.
- Regularly updated stakeholders on project velocity, current issues, and team status, ensuring transparency and alignment with project goals.
- Leveled up my skills with CommerceTools and used them extensively within the project to fix bugs and implement new functionalities



2022-2023

Intermediate Backend Developer

- Developed backend components for a Proof of Concept (PoC) platform for an airline company, aimed at enhancing the travel experience by providing a comprehensive solution for airline customers worldwide.
- Set up the project structure and integrated multiple third-party platforms, including Amadeus Flight Search, Adobe Experience Platform, Adobe Workfront, and SendGrid, to create a seamless and efficient system.
- Made critical architectural decisions based on project requirements and collaborated with the team to establish and implement a strategic course of action.
- Provided guidance and support to colleagues in implementing proposed solutions, ensuring alignment with project goals and standards.
- Presented results to management and sales teams, effectively highlighting the platform's advantages and benefits for all stakeholders involved.
- Leveled up my skills with CommerceTools and used them extensively within the project to fix bugs and implement new functionalities



2021-2022

Intermediate Backend Developer

- Developed backend components for a car rental company platform, enhancing system functionality and performance.
- Extensively used **OpenAPI** in conjunction with **Docker** to simulate services across teams during the development phase, facilitating smoother integration and testing.
- Integrated and managed **MariaDB** within the project, ensuring efficient and reliable data storage and retrieval processes.
- Assisted in onboarding new team members to the project, providing guidance, **training**, and support to ensure a smooth transition and effective integration into the team.

Intermediate Backend Developer

- Developed backend components for a financial assets management application using Node.js, **YugabyteDB**, and **MongoDB**, while ensuring adherence to quality standards.
- Documented the codebase using **OpenAPI** to maintain clarity and facilitate future development and integration.
- Actively participated in planning meetings with the team and the customer, focusing on maximizing efficiency and upholding high-quality standards throughout the project lifecycle.

Intermediate Backend Developer

- **Led the planning and creation of tasks** based on customer requirements on a project that aimed to offer data scientists a development environment, ensuring alignment with project goals and timelines.
- **Architected the project structure**, establishing a robust framework for development and deployment.
- Played a key role in **authentication and authorization** processes, **data ingestion**, and seamless **integration with AWS services** (Identity and Access Management (IAM), S3 and Redshift) and **Google Cloud** (BigQuery and Buckets).
- Facilitated the onboarding of new team members by **developing detailed documentation and standard operating procedures** for backend processes.
- Actively involved in **interviewing and evaluating** potential new hires, contributing to the growth and strengthening of the development team.
- Constantly involved in the **planning and architectural decisions**, providing the customer with implementation options based on requirements.
- **Integrated with third-party open-source projects** (Jupyter Notebook) and **third-party closed-source services** (Tableau) to equip data scientists with the tools necessary to leverage their company's data effectively.

2019 - 2020

Intermediate Fullstack Web Developer

- Conducted full-stack development using **.NET Core** and **Angular** for US business customers on the **Sage Intacct** platform.
- **Provided support** for existing integrations with the Sage Intacct platform, addressing customer issues and requirements.
- **Established a feedback loop** between the development and support teams to **enhance software quality** based on customer-reported issues.
- Managed **high data volume processing** and modifications on existing integrations, adhering to customer requirements and addressing support tickets.
- Provided **feedback to new team members** and implemented an **improved onboarding process**, reducing onboarding time by 50%.
- **Enhanced documentation procedures** to reduce response times for customer issues and decrease the ramp-up time for new developers.
- Did investigative work in order to aid the decision making process regarding cloud resource provisioning costs in AWS for the entire customer base.

Junior Software Developer

- Collaborated with a small team to plan development on a platform that commissioned the time of workers, incorporating customer requests and providing technical solutions to meet deadlines.
- **Developed the billing system** using Mailgun email templates to send invoices to customers.
- Added **push notifications** and **integrated Twilio SMS** for sending alerts to both workers and customers.
- Implemented a pay-as-you-go structure with **Stripe**, including custom gift card flows, complex payment processes, and a logging system for payments.
- **Automated statistics generation** and implemented various **optimizations** as requested by the customer



2016 - 2017

Junior Software Developer

- Contributed to the development of **automotive virtual dashboards** for a leading truck manufacturer using **Candera CGI Studio**
- Assisted in designing and implementing the **project architecture, including layer structuring and digital asset testing**, tailored to the Fujitsu MB86R11 "Emerald-L" SoC
- Supported the integration of front and rear cameras, three displays, and multiple sensors into a modular solution with a motherboard and baseboard, ensuring flexibility and scalability
- Participated in multiple project iterations and helped ensure compliance with **automotive certification standards** as part of a multidisciplinary tech team
- Assisted in enhancing the OS for the solution using **Yocto**, contributing to custom recipes for drivers developed by the team
- Helped achieve a **significant reduction in boot time** from 1m28s to 6s through continuous testing and optimization
- Contributed to **system reliability testing** within project constraints through rigorous testing and iterative improvements
- Helped **create comprehensive guides** for Yocto recipes, drivers, audio & video codecs, and boot time reduction strategies.

Technologies



- API: REST, GraphQL and SOAP development with ExpressJS, with both Javascript and Typescript
- Microservices
- Push notifications
- 3rd party services integrations (Firebase, Stripe, Mailgun, Twilio, SendGrid, CommerceTools, Sendgrid, Amadeus Flight Search, Adobe EP, Adobe Workfront)
- 3rd party libraries used: Lodash, body-parser, Mongoose, TypeORM, Sequelize, Moment, Winston, Morgan
- Build and dependency management tools (NPM, Yarn)
- Unit testing with Jest
- Documentation: JSdoc, OpenAPI



- Responsive single page web applications
- Use of 3rd party components: Material Design, Devextreme
- .csv and .xlsx file input and output



- CRUD operations
- Scripting, designed the database



- CRUD operations
- Scripting, database normalization
- Complex queries
- Optimizations



- Instance creation from scratch, with a specific purpose
- Instance debugging with VSCode and relationships between entities




- System compilation from scratch
- Optimizations (fast boot time, size reduction, custom recipes)
- Package managers quirks and issues





- Amazon Web Services: S3, Redshift, IAM API
- Google Cloud Services: Storage, BigQuery
- Adobe Cloud: EP, Workfront

Languages

 Romanian
Mother tongue

 English
Fluent

 Italian
Beginner-medium

 Spanish
Beginner-Medium

Education

University of “Stefan cel
Mare” Suceava

2013 - 2017

Bachelor in Automatics and Applied Computer Science

My thesis was an interactive advertising system, based on Kinect interactions via gestures.

Also did several projects for embedded competitions and hackathons :

- computer control with haptic feedback
- smart electric car
- digital press kiosk, with interaction based on vocal and gesture recognition with Kinect