



Egli Tabaku

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WORK EXPERIENCE

Motomtech LLC - Albania, Tirana

Technical Lead / Backend Engineer

[06/06/2024 - Current]

Technical Lead / Backend Engineer

One Home Solutions (API, Web & Mobile)

- Designed and developed a scalable platform for home-maintenance services.
- Led backend architecture for a web application and two mobile applications.
- Implemented core features including user authentication, service booking, payment processing, reporting, scheduling, filtering, and centralized error handling.
- Integrated multiple third-party services for properties and building data retrieval.
- Designed and implemented **AI-powered features**, including:
 - AI agents using advanced **prompt engineering** techniques.
 - Conversion of structured and unstructured data into **vector embeddings**.
 - Storage and semantic search using **Pinecone**.
 - Training and refinement of AI responses based on **confidence and relevance scoring**.
 - Seamless integration of AI agents with existing Rails APIs to ensure accurate and deterministic outputs.

Technologies:

Ruby on Rails, Python, Sidekiq, Redis, PostgreSQL, AWS S3, Stripe, JWT, Devise/BCrypt, IceCube, Ransack, Dry Schema, Dry Services, Panko Serializer, Google Apis, QuickBooks, Dialpad/Twillio, Smart Scheduling, Expo, AI Agents, Prompt Engineering, Pinecone, Vector Embeddings.

Motomtech LLC - Albania, Tirana

Tech Lead && Software Engineer

[05/05/2023 - 06/06/2024]

Backend Developer

Kidspod (Kids Podcast – MVC + API)

- Maintained and extended backend systems for a platform connecting parents with activities and services for children.
- Built and supported an MVC web application and a separate API for mobile applications.
- Implemented real-time notifications, booking management, and secure payment workflows.

Technologies:

Ruby on Rails, Sidekiq, Redis, MySQL, AWS S3, Stripe, JWT, Devise, Ransack, API JSON Serializer, Expo
Backend Engineer

MotomLED (API)

- Designed and implemented backend functionality for media uploads, playlist creation, and device-specific content distribution.
- Developed a complex playlist scheduling system similar to Google Calendar using IceCube and iCal standards.
- Contributed to device-side development using Python to enable synchronization and communication between devices and the server.

Technologies:

Ruby on Rails, Sidekiq, Redis, PostgreSQL, AWS S3, IceCube, Stripe, JWT, Devise/BCrypt, ActiveModel Serializer, Python

Backend Engineer

Valor (Game API)

- Developed backend infrastructure for a real-time war strategy game.
- Designed and implemented real-time multiplayer interactions, resource management, and scalable world-generation using dynamically created map chunks.
- Refactored the queueing system using Redis and binary heap data structures, eliminating server failures during high-load attack scenarios.

Key Achievements:

- Queueing system redesign that significantly improved server performance and reduced wait times.
- Designed and implemented a fully zoomable map system (similar to Google Maps) using binary file formats to efficiently store and load object data.

Technologies:

Ruby on Rails, Redis, MySQL, Linux, Shell

Forward - Albania, Tirane

Ruby On Rails Developer

[30/04/2018 - 05/05/2023]

Hellopackage (API + MVC)

- Contributed to a large-scale American startup solving package-delivery challenges for apartment communities, offices, and hotels.
- Worked on a distributed, microservices-based architecture supporting high-volume e-commerce package processing.
- Designed and maintained APIs and MVC applications following Rails best practices, including Service Objects, Form Objects, Query Objects, Null Objects, and Serialization patterns.
- Implemented PostgreSQL data synchronization across multiple servers, ensuring data consistency and reliability.
- Built and maintained background job pipelines for real-time and asynchronous processing.
- Managed deployments on AWS EC2 and Balena.io environments.
- Collaborated in an agile workflow using Jira, Bitbucket, and Jenkins.

Technologies:

Ruby on Rails, Ruby, PostgreSQL, MySQL, REST APIs, Docker, AWS EC2, Sidekiq, Resque, Balena.io, JavaScript (jQuery, AJAX, CoffeeScript), Linux, RSpec, Server/Client Sockets, Git, Jira, Jenkins

Loman / Sol WebApp (API)

- Developed a comprehensive loan management platform covering loan origination, servicing, and securitization within a single system.
- Built a modular Ruby on Rails architecture using Rails Engines as independent and reusable modules.
- Implemented automated general ledger updates and direct integrations with client bank accounts.
- Focused on scalability, maintainability, and clean separation of business domains.
- Participated in CI/CD pipelines and production deployments.

Technologies:

- Ruby on Rails, Rails Engines, Ruby, MySQL, ERB/HTML Templates, Capistrano, JavaScript (jQuery, AJAX, CoffeeScript), Linux, RSpec, Git, Jira, Jenkins

EDUCATION & TRAINING

Bch. Information Technology

[08/10/2014 - 30/06/2017]

City: Tirane | **Country:** Albania

Finished with excellent results.

- Objected Oriented Programming Java Python Database PHP HTML CSS

Master Degree Information Technology

[09/10/2017 - 04/07/2018]

City: Tirane | **Country:** Albania

Student Excellence Award(Tirane, Information Technology)

- Datawarehouse Ecommerce Php Linux BI

LANGUAGE SKILLS

Mother tongue(s): Albanian

Other language(s): Italian Sign Language

English

LISTENING: B2 **READING:** B2 **WRITING:** B2

SPOKEN PRODUCTION: B2

SPOKEN INTERACTION: B2

Italian

LISTENING: B2 **READING:** B2 **WRITING:** A2

SPOKEN PRODUCTION: A2

SPOKEN INTERACTION: A2

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

I have developed strong communication skills through close collaboration with team leaders, senior engineers, and cross-functional teams. As a Technical Lead, I have been actively involved in onboarding and mentoring new developers, emphasizing clear, practical, and efficient communication. I am able to explain complex technical concepts in a straightforward and accessible way, encourage open technical discussions, and provide constructive, actionable feedback. These skills have helped build strong working relationships, improve team efficiency, and ensure successful project delivery.

ORGANISATIONAL SKILLS

Organisational skills

I've built strong organizational skills by working closely with team leads and senior developers in fast-moving environments. Over the past couple of years, I've taken responsibility for onboarding and training new team members, helping them get up to speed quickly and feel comfortable in the team. I'm used to do or service multiple tasks at the same time, setting priorities, and keeping communication clear so work runs smoothly and the team stays aligned.