Filip Markovic

*Senior Elixir/Go Software Engineer*

[filip.markovic.930420@gmail.com](mailto:filip.markovic.930420@gmail.com) +1 410 989 1673  Tampa, US  1993/04/20  Male

**Summary**

# Highly motivated and innovative senior Back-end engineer, fueled by a deep desire to learn and develop creative solutions.

Hands-on experience in back-end development for about 8 years, especially in **Python, Java, Elixir, Go, Scala, JavaScript, C#**.

Have a proven track record of overseeing all aspects of the SDLC, from extensive analysis and design through execution and maintenance, in an Agile environment.

With working style of "To be **PERFECT, AWESOME, WONDERFUL**!"

Wish to work in a company with good strategy for long-term goal, to become a great asset to the company.

**Professional Experience**

# Software Engineer (Java, Elixir/Phoenix, Go/Encore, Python, AWS, React.js, Node 18)

*ACL IT, Remote*

2021/04 – 2023/05 | Miami, US

* Spearheaded the implementation of backend APIs and robust data processing solutions in **Django** to optimize data retrieval and manipulation within the web application.
* Orchestrated the upgrade of existing **Restful APIs** to **GraphQL**, significantly enhancing operational efficiency.
* Delivered GraphQL endpoints, provided **React Apollo** example code, and furnished documentation using GraphQL-specific tools such as **GraphQL Playground** to streamline integration processes.
* Elevated the functionality and error-handling capabilities of an established **Ruby on Rails** project.
* Implemented a comprehensive **CI/CD** pipeline, utilizing **Kubernetes**, **Docker**, **Sentry**, and **GitHub** actions.
* Optimized system concurrency and speed by executing a strategic migration from **Ruby on Rails** to the **Phoenix**

structure.

* Engineered a real-time chat application using **Elixir OTP**, **Ecto**, **Phoenix Channel**, and **LiveView**, facilitating seamless communication and instantaneous notifications.
* Led the development and design of a cloud-based **Progressive Web Application** (**PWA**), leveraging **ReactJS**

and **Microservices** with **Java Spring Boot**.

* Employed **NodeJS**, **JWT**, and **PostgreSQL** to establish a secure Authentication and Authorization system for an enterprise-level web application.
* Provided leadership and guidance to the DevOps team, overseeing the integration of DevOps processes with

**Terraform**, **Kubernetes**, and ingress technologies.

* Achieved an 85% reduction in development time and DevOps workload, concurrently enhancing API calling efficiency through the strategic migration from **Java Spring Boot** to the **Golang Encore** framework.

# Back-end Developer (Spring Boot, Ruby on Rails, Encore, .NET Core, Elixir)

*LeverX*

2017/05 – 2020/12 | Miami, US

* Employed .**NET Core** to implement robust and scalable backend functionalities, driving significant enhancements in application performance and elevating the overall user experience.
* Led the development of a **microservices architecture**, utilizing tools such as **Spring Cloud Gateway** and **Encore** endpoints to construct modular and scalable backend systems. Formulated intricate data models to ensure comprehensive system functionality and adaptability.
* Directed the creation of resilient web applications, leveraging gems and plugins to extend the capabilities of **Ruby on Rails**. Tailored applications to precise requirements, showcasing a commitment to precision and customized solutions.
* Implemented agile methodologies and orchestrated **CI/CD** pipelines, incorporating **Jenkins** and **Ansible** for seamless application deployment. Demonstrated proficiency in cultivating an agile development environment focused on efficiency and collaboration.
* Elevated system concurrency and error-handling capabilities within existing **Ruby on Rails** applications by integrating the **Phoenix** framework. Contributed to increased system reliability and resilience.
* Successfully deployed **Encore**, **Ruby on Rails**, and **Spring Boot** applications on cloud platforms such as **AWS** and **GCP**. Effectively leveraged cloud services to optimize performance, scalability, and overall system efficiency.

# Java Engineer (J2EE, JVM, JUnit, JSP, Microservice, Spring)

*Freelancer*

2015/09 – 2017/02 | Singapore, SG

* Developed and orchestrated the creation of **Restful APIs** and multi-server applications tailored to meet specific product requirements, leveraging **Java Spring**.
* Designed and implemented intricate systems based on N-tier distributed architecture, employing a comprehensive range of **Java/J2EE** technologies. Utilized expertise in **Multi-Threading**, **Java Collections**, **Hibernate**, **JDBC**, **Struts**, and the **Spring Frameworks** to ensure robust system architecture.
* Implemented microservices architecture utilizing **Spring Boot** and integrated technologies such as **Redis** and

**RabbitMQ**, showcasing proficiency in cutting-edge development practices.

* Demonstrated expertise in utilizing Restful APIs with **Swagger** and championed best practices in Continuous Integration and Continuous Deployment (**CI/CD**).
* Spearheaded the implementation of Data Modeling and database optimization strategies to enhance system performance and scalability. Applied proficiency in working with diverse databases, including **MySQL**, **PostgreSQL**, and **MongoDB**.
* Collaborated seamlessly with cross-functional teams, actively participating in requirement gathering processes. Translated gathered requirements into detailed technical specifications, ensuring alignment with overarching project goals.

**Education**

# Bachelor of Computer Science

*Singapore Management university*

2011/09 – 2015/04 | Singapore, SG

My time at the university challenged me intellectually and allowed me to grow both personally and professionally.

Earning my degree from the university has provided me with the knowledge, skills, and confidence Ineed to thrive in today's competitive job market.

**Languages**

English

Chinese

**Skills**

**Languages**: C/C++/C#, Python, Ruby, Java, PHP, Javascript, Scala, Go, Elixir

**Frameworks**: Spring, Ruby on Rails, Django Rest API, Play, Flask, Laravel, .NET Core, Phoenix, Encore

**Libraries**: Node.js, Angular, D3.js, React.js, Guardian, Gulp

**Database**: MySQL, PostgreSQL, SQLite, MongoDB, CosmosDB, Firebase, Supabase, Redis

**Developer Tools**: Git, VS Code, Github, AWS Lambda, AWS S3, Google Firebase, Microsoft Azure, Postman, Docker, CI/CD, Jira, Heroku, Jenkins, Ansible

**Interests**

Football Swimming Basketball