

# Gergo Medveczky

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## Profile

Recent college graduate aspiring to become a strong full-stack developer with a strong background in Java, MySQL, and diverse technology stacks, adept at architecting, designing, and optimizing complex applications. Proven experience in simultaneous utilization of multiple technologies, including a passion for lower-level languages like C++. Possesses a track record of developing real-life simulators that demanded in-depth understanding and intricate problem-solving. Eager to leverage these skills in re-platforming and optimizing the Contract Approval Payment System (CAPS) and CAPS Contracts, contributing to AWS migration, REST API development, and security enhancements.

## Education

Bachelor of Science in Software Engineering | Brigham Young University - Idaho September 2019 - December 2023

- 3.758 GPA. Software Engineering major with emphasis on Software Design & Math.
- Produced 7500+ lines of code in C++.
- Produced 5000+ lines of code in MySQL, HTML and CSS.
- Produced 3000+ lines of code in Python and Java.
- Produced 2200+ lines of code in JavaScript (React Native) and TypeScript (Angular).

## Skills

- Building Robust Code: practices such as building Unit-Tests, Automation Testing to adopt Test-Driven Development. Written +1000 lines of tests.
- Producing Sophisticated Code: by following metrics like Abstraction, Fidelity, Cohesion, Efficiency and other strategies like Polymorphism and Object Creation to increase the quality of the product.
- Visualizing Code Design and Problem Domains: by utilizing design tools like Flowcharts, Pseudocode, Structure Charts, Data Flow Diagrams, Class Diagrams, Component Diagrams and other UML diagrams to present an idea or a problem and to enhance the communication between stakeholders and programmers. Created 1000+ pages of visualizations.
- Manipulating Data Structures: ability to change and customize standard data structures according to the unique nature of a problem. Created 10+ custom data structures.
- Fluent in Hungarian, Albanian and English with excellent communication and interpersonal skills.

## Experience

Full-Stack Developer | *The Church of Jesus Christ-ICS* | Riverton, Utah May 2023 - August 2023

- Resolved and targeted +200 bugs across both front-end and back-end systems.
- Engaged in weekly design and tech reviews, actively contributed to Sprint Review meetings, and participated in daily stand-ups.
- Collaborated seamlessly with fellow software engineers, QA professionals, and project managers in a remote work environment, fostering effective communication and teamwork.
- **My Favorite Accomplishment:** Developed new features like advanced search filters to allow users to finely tailor their search queries by applying multiple criteria for more precise and targeted results. Streamlined and integrated 2500+ lines of code comprehensively on both front-end and back-end, incorporating database queries.

Research Lab Assistant | *Idaho State University* | Pocatello May 2022 - August 2022

- Collaborated with a team of research assistants from different backgrounds.
- Interviewed multiple professors from different backgrounds and professionals in industry whose work is closely related to NP-complete problems and incorporated their feedback into an improved design specification for the project.
- Participated in weekly/daily Scrum meetings.
- **My Favorite Accomplishment:** Developed the structure of a web app for Undergrad and Graduate students and research professors to visualize NP complete problems and their reductions. Utilized a Waterfall methodology by first defining the Software Requirements Specification and then converting that to a Software Design Description.

Self-Employed Taxi Driver and Auto Trader | Budapest, Hungary October 2016 - August 2019

- Invested additional earnings from my business in purchasing used cars in Germany, importing them to Hungary and reselling them for a profit.
- **My Favorite Accomplishment:** Started with nothing and just a fresh driver's license, worked 70+ hours per week as a taxi driver. First as an employee of a large taxi chain. Utilized my English skills and outgoing personality to provide excellent service to western tourists in Budapest and earn superior tips.

## Volunteering

Missionary | *The Church of Jesus Christ of Latter Day Saints* | Albania October 2014 - September 2016

- Conducted interviews and held conferences in several leadership positions.
- Learned discipline, self-reliance, integrity and adaptability to new cultures and languages.

