Mateusz Urbanek

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Work Experience

Aexol

Software Engineer *- Back End, Product Development Team*	*Białystok (Remote), PL*	*01/2022 - Present*

- Reduced cloud costs by **65%** by collaborating with the principal developer to configure raw cloud servers using **Kubernetes**. Successfully transitioned 90% of the company's infrastructure from prebuilt machines on **GCP**, **Azure**, and **AWS** to custom setups on **Hetzner**.
- Boosted payment system capacity by **20,000%** by developing a Stripe integration library in **TypeScript/Node.js/GraphQL/MongoDB**. This library enabled seamless integration into existing projects, significantly accelerating new project setups and resulting in adoption by 70% of the company's internal projects requiring payment systems.
- Developed developer tool to enhance GraphQL **code quality** and health by testing schemas with a compiler, transitioning schema management to the cloud with logging for team-wide access, and enabling version control for collaborative development. (**TypeScript/React/Node.js/MongoDB/Azure**)
- Accelerated client design delivery by **20%** and improved efficiency by developing advanced algorithms for automatic generation of photovoltaic installation drawings in AutoCAD-compatible formats. (**TypeScript/Python/NestJS/PostgreSQL**)
- Led the development of a small team from initial proof of concept to the launch of a successful SaaS product, resulting in $10,000 in annual **passive** income. (**Node.js/Next.js/Firebase/GCP/TypeScript**)

Deloitte

Software Engineer *(Salesforce), Deloitte Central Europe Team*	*Warsaw, PL*	*06/2021 - 07/2022*

- Reduced data loading time by 34% by optimizing **SQL** queries using the Query Plan Tool.
- Developed a custom CRM tool for a client enhancing their ability to manage customer interactions, track sales activities, and streamline operations.
- Created custom front-end components using **HTML**, **CSS**, and **JavaScript**, delivering a user-friendly and intuitive interface for the CRM tool, ensuring a seamless user experience.

University of Siedlce

Instructional Assistant	*Siedlce, PL*	*12/2020 - 11/2021*

- Collaborated with Professors and other instructors in teaching Programming in **C++** and **Java** to 70 students
- Provided individual paid tutoring in Java programming, Algorithms and Data Structures, and Object-Oriented Programming to students from various universities, enhancing their academic performance.

Education

Bachelor of Computer Engineering	University of Siedlce	*Siedlce, PL*	*Graduated May 2024*

- Major in Systems and Database Engineering

About me

Experienced Software Engineer with extensive background in Back-End and building scalable systems in the construction, e-learning and consulting industries. Expert in TypeScript, JavaScript, Python and Java.