



Cigan Oliviu-David
Software Developer

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PROFESSIONAL PROFILE

During my studies, I gained significant experience through a highly sought-after internship, which not only provided hands-on skills but also helped me build important professional connections. This experience has led to a fulfilling career in software engineering that has lasted over three years now. In addition to my work in software, I am actively involved in Artificial Intelligence and Data Science research, collaborating with a deep tech Canadian startup. My passion for technological innovation drives me to contribute meaningfully to this dynamic field, supported by a steadfast commitment to continuous learning and excellence.

Github => <https://github.com/CiganOliviu>

Linkedin => <https://www.linkedin.com/in/oliviu-david-c-72489015b/>

EDUCATION

TECHNICAL UNIVERSITY OF CLUJ-NAPOCA / 2020 – 2024

Bachelor's degree in Automation and Applied Informatics

Completed a rigorous curriculum covering Mathematics, Systems Engineering, Electronics, and Software Engineering, gaining a robust foundation in analytical and technical skills essential for programming and system design.

- **Mathematics:** Studied Linear Algebra, Analytical Geometry, Differential and Integral Calculus, Special Mathematics for Engineering, and Numerical Calculus, sharpening analytical abilities and problem-solving skills for applications in programming and systems theory.
- **Systems Engineering:** Developed a strong understanding of modern systems, excelling in courses like Process Modeling, Signals and Systems (both discrete and continuous), Systems Theory (behavioral analysis), Systems Identification (model development), and Automatic Control Engineering, all focused on efficient control and system optimization.
- **Software Engineering:** Gained expertise in the Linux Operating System, algorithm programming, Object-Oriented Programming, thread management, SQL-based databases, web development, assembly language, and graphical modeling through Lisp and functional programming.

This academic foundation equipped me with essential skills for tackling complex technical challenges in engineering and software development.

THEORETICAL HIGH-SCHOOL CAREI / 2016 – 2020

Mathematics-Informatics

During high school, I developed a foundational understanding of coding and algorithms, working across languages like C, C++, Java, Python, and C#.

- **Web Development & Competitions:** Participated in web development contests, gaining hands-on experience with PHP, Laravel, Python Django, JavaScript, jQuery, HTML5, and CSS3 at a foundational level.
- **Project Contributions:** Contributed to in-school projects focused on website development, enhancing my practical skills and teamwork abilities.

These early experiences sparked my passion for technology and software engineering, laying the groundwork for my future in the field.

WORK EXPERIENCE

Alphablock Technologies Inc/ 1 JAN 2024 – Present

Data Scientist – Part Time

I am part of the development of next-generation investment models and conduct in-depth financial research. Utilizing tools like Python, Scikit-Learn, Matplotlib, and Pandas, I process large datasets to identify valuable insights. My work centers on creating robust, data-driven models that inform investment strategies, while simplifying complex data for easy interpretation.

3 Screen Solutions gmbh & co. kg/ 1 OCT 2021 – Present

Software Engineer – Part Time and from 1st of July Full Time

Experienced ReactJS and TypeScript developer with a strong focus on code quality, efficiency, and client satisfaction. Key responsibilities include:

- **Feature Development & Code Quality:** Lead the implementation of new features, conduct code reviews, and work closely with the team to optimize and refactor code.
- **Client Engagement & Issue Resolution:** Act as a primary client contact for bug reports, live app issues, and inquiries regarding new features.
- **Automation & Testing:** Drive quality assurance through unit testing and automation to maintain high product standards.
- **High-Impact Projects:** Currently managing a major VOD platform with 1.6 million monthly users, responsible for release management, PI planning, estimation, and core issue resolution.
- **Backend & Frontend Consultation:** I used to review implementations across the stack (Node.js & TypeScript backend, ReactJS frontend), providing insights for internal projects.
- **Mentorship & Hiring:** Actively mentor the internship development team and contribute to the interview process.

Transitioned from part-time (4-6 hours) to a full-time role in July 2024, with added responsibility as the primary developer for the live web app starting in August 2024.

ADAPTED Research Group/ 1 NOV 2022 – 31 DEC 2023

Machine Learning Research Student

Collaborated with the ADAPTED team and Canadian startup Alphablock on a year-long research project focused on finance. This project enhanced my skills in:

- **Machine Learning & Data Analysis:** Applied iterative, flexible research methodologies, moving from data acquisition and preprocessing to pattern analysis and insights.
- **Financial Analysis & Predictive Modeling:** Explored core financial concepts to strengthen our analysis, implementing the 3N method to build predictive models aimed at optimizing investment returns.
- **Algorithm Evaluation:** Focused on identifying the most effective machine learning algorithms for maximizing returns based on the available data.

3 Screen Solutions gmbh & co. kg/ AUG 2021 – SEP 2021

Intern Web Application Developer – Full Time

Worked collaboratively with a team of five to build a basic VOD web app using ReactJS, where I contributed to both technical and soft skills development:

- **Feature Implementation:** Developed key components including the Authentication System, Custom Fetching mechanisms, error boundaries, responsive design elements, and other UI features.
- **Agile Methodology & Team Dynamics:** Gained practical experience in Agile methodologies, enhancing teamwork, communication, and adaptability through daily stand-ups and iterative development.
- **Technical Tools & Deployment:** Developed hands-on expertise with CI/CD processes, deployment systems, Git and GitLab for version control, contributing to a well-rounded technical foundation.

This internship provided a comprehensive understanding of web development, version control, and effective collaboration within a team.

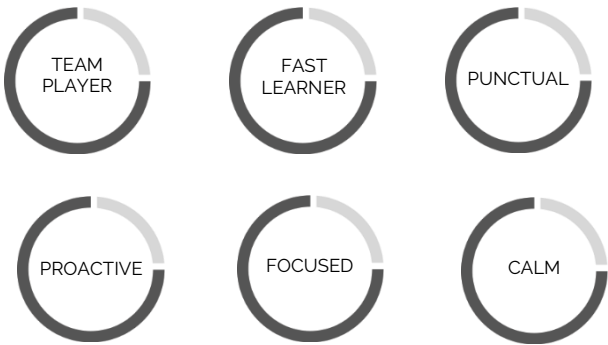
PROFESSIONAL SKILLS



LANGUAGES

ENGLISH		
Reading: 10	Writing: 10	Understanding: 10
ROMANIAN		
Reading: 10	Writing: 10	Understanding: 10

PROFESSIONAL SKILLS



REFERENCES

- Pal Mukul – CEO**
ALPHABLOCK TECHNOLOGIES INC
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- Cristina Nilvan – Software Engineer**
AMDARIS
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