Colacel Alexandru Andrei

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Personal Profile

I graduated in Computer Science from "La Sapienza" University of Rome, with a passion for Software Development and Blockchain Security, as well as the world of the Internet of Things. From a young age, I have had a great passion for Computer Science. During my academic journey, I studied a wide range of subjects, from mathematical foundations to automata theory, always integrating theory with practice. My thesis focused on the development of a Trusted Execution Environment (TEE) compatible with the Ethereum Virtual Machine (EVM), exploring applications in IoT and using technologies such as Solidity, Go, and Docker. Currently, I work on IoT Backend Development at Lutech.

Experience

Lutech SpA   *Rome, IT*
Software Developer IoT   *October 2023 - Present*
- Collaborated with the team to develop IoT models and software, resolving bugs and building software, approaching more efficient solutions in terms of performance and costs.
- **Technical Skills:** Python, AWS Cloud, AWS Lambda, ElasticSearch, AWS WebSocket, API Gateway, AWS DynamoDB, Linux tools, Scripting, Git, Jira, Confluence, BitBucket
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Education

La Sapienza University   *Rome, IT*
BSc in Computer Science   *October 2020 - March 2024*
- **Courses:** Algebra, Algorithms, Architectures, Automata Theory, Differential Calculus, Fundamentals of Computer Science, Integral Calculus, Mathematical Logic, Numerical Methods, Computer Networks, Probability Theory, Digital Systems, Compilers, Computer Security, Artificial Intelligence Laboratory, Operating Systems, Java Programming, Fundamentals of Computer Science, Software Engineering.

Personal Projects

Chess Analysis   *Rome, IT*
La Sapienza University   *May 2023 - June 2023*
- **Chess Analysis Project: Python, OpenCV, NumPy, LaTeX**

Skills

Hard Skills   Python (NumPy, OpenCV), AWS Serverless, C, Java, SQL, Shell (Bash/Zsh), Git, Markdown, LaTeX
Soft Skills   Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation

Personal Goals

| 2016 | **Interregional Astronomy**, Olympiad Qualifications | *Rome, IT* |
| 2017 | **Internships**, Institut Supérieur de l'Aéronautique et de l'Espace | *Toulouse, FR* |

Languages

Romanian   Native proficiency
Italian   Native proficiency
English   Professional proficiency - B2

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