Arthur Cavalcante **de Andrade**

SOFTWARE ENGINEER · COMPUTER SCIENTIST

Goiânia, Brazil

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"Be the change you wish to see in the world."

Summary

I hold a bachelor's degree in Computer Science from the Federal University of Goiás and am currently specializing on Cybersecurity and Data Governance.

My studies also involve Systems Architecture and Software Development, with a particular emphasis on learning about Secure Software Development Lifecycle (SSDLC) and DevSecOps practices.

I feel comfortable when I meet new people and expand my network of contacts. In addition to learning from other people, I like to teach what I know to others. However, I am equally satisfied when I work alone.

Work Experience

Cilia Tecnologia   *Goiânia, Brazil - Hybrid*
SOFTWARE ENGINEER   *Feb. 2023 - Present*

- Contributing technical expertise to drive project success.
- Designing and developing APIs for thousands of clients and insurers nationwide.
- Updating database, automating tasks, and delivering new features and screen flows.
- Fixing bugs and implementing tests to ensure the reliability and functionality of all aspects of the software.
- Giving code reviews and feedbacks about solutions.
- Creating and updating documentation of implemented features.

CNPq   *Goiânia, Brazil - Hybrid*
SCIENTIFIC INITIATION RESEARCHER   *Sep. 2022 - Aug. 2023*

- Scholarship holder in the Institutional Scientific Initiation Scholarship Program (PIBIC)
- Conducted studies in graph theory, exploring fundamental concepts, algorithms, and their applications across various areas.
- Implemented computational models that gather data from the internet, represent, analyze, and solve problems in graphs.
- Performed analyses of complex networks, investigating structural and behavioral properties.
- Collaborated in the creation of new theorems and conjectures.
- Presented at the 20th UFG Teaching, Research and Extension Congress - CONPEEX 2023.

Bugcrowd   *Remote*
BUG BOUNTY HUNTER   *Feb. 2022 - Sep. 2022*

- Tested web applications for common web application security vulnerabilities, including input validation vulnerabilities, broken access controls, session management vulnerabilities, cross-site scripting issues (XSS), SQL injection, and web server configuration issues.
- Experience with Windows and Linux operating systems (subsystems, kernel and user level processes, networking, Active Directory).
- Experience writing custom codes and scripts.
- Proficient with common attack tools (Burp, SET, Metasploit, Nmap, Nikto, Netcat, Hashcat, Gobuster, GTFObins) and defensive tools (Snort, tcpdump, Wireshark).

Education

B.S. in Computer Science   *Goiânia, Brazil*
FEDERAL UNIVERSITY OF GOIÁS   *2018 - 2023*

- Education Assistant in Algorithm Analysis and Design (Jul 2021 to Nov 2021).
- Education Assistant in Computer Networks (May 2022 to Sep 2022).
- Programming Marathon Competitor (Oct 2021 and Mar 2023).
- Scholarship for Scientific Initiation Research in Graph Theory (Sep 2022 to Aug 2023).

Specialization in Cybersecurity and Data Governance   *Belo Horizonte, Brazil*
PUC MINAS   *2024 - 2025*

- Security Methods, Practices and Technologies.
- Secure Development.
- Data Governance.
- Cybersecurity Governance.

Certifications

2023	**Fundamentals of Accelerated Computing with CUDA C/C++**, NVIDIA
2022	**C2 Proficient**, EF-SET
2022	**Data Privacy and Protection (LGPD)**, SENAI

Skills

Programming Languages	Ruby, Python, JavaScript, C/C++, Go
Operational Sytems	Linux, Windows
Languages	Portuguese, English