

LUCAS VAZZOLLER MARANGONI

[in](#) [Linkedin](#) [G](#) [Github](#) [P](#) [Portfolio](#) [✉](#) lucasvm.ti@gmail.com

Summary

I am a Golang back-end software engineer, I have skills with database design, Docker, modular architecture, DDD and design patterns. Currently focused on developing skills as an ethical hacker and security in software development.

Education

Hackers do Bem	Cybersecurity - Red Team Specialization	Jan, 2024 - Oct, 2024
Legale Educational	Postgraduate Degree in Digital Law	Jan, 2024 - Sep, 2024
Estacio de Sa	Bachelor of Laws	Feb, 2014 - Mar, 2022

Professional experiences

Law Firm Renoldi Siqueira (ARS)	Internship	Tel: (27) 3222-2344	Sep 2022 - January 2023
Developed activities related to business and civil demands, writing actions, and analyzing and following processes, meeting and talking to customers, and solving everyday problems in the office.			

Main projects

Logella	Personal authorship project	Jan 2024 - Present	
A library Golang simple and minimalistic for observability and security with logs and exception handling. Their packages are:			
<ul style="list-style-type: none">▪ Logger, Log settings, using Zerolog; Router, logs with the initialization of routes with Go-chi.▪ Errs, separate call trail from error, propagates http status, control response to client and others.▪ Response, handles HTTP error responses with a cleaner syntax.			
Financial File Manager	Personal authorship project	Dec 2023 - Interrupted	
System for control of financial documents, developed with Golang , CockroachDB , Docker . Before interrupting:			
<ul style="list-style-type: none">▪ I prepared requirements documentation, software engineering, bug log and project board, and i am still updating them now.▪ API Rest com Go-chi, authn with JWT and 2FA. For access control Casbin and configuration management with Viper.▪ Implemented rate-limiter by IP and user. Used nginx to reverse proxy and load balancing and Coraza as WAF.▪ RabbitMQ as a queue in user creation with multiples Goroutines. For observability Prometheus, Zerolog and Logella.▪ For caching solution I used Memcached. I implemented unit tests with stretchr and e2e with postman/newman.			
Currency Converter	Personal authorship project	(v1.1.0) Oct 2023 - Nov - 2023 (v1.0.0) - Jul 2023 - Sep - 2023	
API Rest for consuming foreign exchange Exchangerates API . Developed with Nest , Mongoose , Docker and modular architecture .			
<ul style="list-style-type: none">▪ I used typecript's strict config. I created one cluster of replicas and arbiter mongodb and as a caching solution I used Redis.▪ Used Bull for queues in user creation and local authn and OAuth com Passport. For config Nest management ConfigModule.▪ I implemented Logs with Pin, exceptions and rate limit with Nest modules. Swagger for doc. and tests with Jest and Supertest.			
TaskList	Personal authorship project	(v2.1.0) May 2023 - Jul 2023 (v2.0.0) - Jan 2023 - Mar 2023	
Rest API for task list application, developed with Express , Typescript and Prism , applying TDD and principles of DDD .			
<ul style="list-style-type: none">▪ I used lib Overnight.js our controllers with authn JWT com Bcrypt and Express rate limit. Has doc.OpenAPI with swagger.▪ For persistence MongoDB and Node cache. Implemented Graceful shutdown and validations, treated exceptions and logs with Pin.▪ Automated testing with Vitest and Supertest utilizing in memory database and mocks. I used it for workflow or Github Actions.			
Paiva Moto Peças	Highlight Axis I	Project developed in team	Mar 2023 - Jun 2023
Web application for workshop e-commerce. Developed in the graduation of ADS in team of six people with Javascript, HTML and CSS.			
<ul style="list-style-type: none">▪ It was my responsibility the "Store Items" page, the database structure, and the deployment with Github Actions on Github Pages.▪ Agile methodologies were used as a basis for defining the development process.			

Skills

Free courses

- [Hack The Box Academy](#): Penetration Tester Path (In progress)
- [Hack the Box Labs](#): My Profile [lucasvmarangoni](#).
- [PentesterLab](#): My Profile [lucasvm](#).
- [XP Educação](#): Solutions Architect & Cyber Defense Analyst.
- [Pato Academy](#): Do Bug ao Bounty and Protocolo Davinci.
- [All courses and certificates on LinkedIn](#).

Achievements

- [OAB: 41106](#): Exam XXXII 1a 56 - 2nd tax 8.45
- [PUC Minas](#): Axis I highlight project. [Showcase](#)

English

- Reading: Intermediate/Advanced | Written: Intermediate |
- Speaks: Intermediate |
- Conversation: Not practicing