LUCAS VAZZOLLER MARANGONI

in Linkedin   ○ Github   ⊟ Portfolio   ✉ lucasvm.ti@gmail.com

Summary

I am a Golang back-end developer, I have skills in software engineering, database design, Docker containers, modular architecture, DDD and design patterns. In addition, with Pentest, Red Team, OSINT, as well as data protection and privacy.

Education

Hackers do Bem	Cybersecurity - Red Team Specialization	**Jan, 2024 - Oct, 2024**
Legale Educacional	Postgraduate Degree in Digital Law	**Jan, 2024 - Sep, 2024**
PUC Minas	Systems analysis and development (1st period)	**Feb, 2023 - Jun, 2023**
Estacio de Sá	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   **January 2024 - Present**

A library **Golang** simple and minimalistic for observability and security with logs and exception handling. Their packages are:
- **Logger**, Log settings, using **Zerolog**; **Router**, logs with the initialization of the routes with **Go-chi**.
- **Errs**, separate call trail from error, propagates http status, client response features and others.

Financial File Manager ○   Personal authorship project   **Dec 2023 - Interrupted**

System for control of financial documents, developed with **Golang**, **CockRoachDB**, **Docker**. Before interrupting:
- 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**.
- 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**.
- 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 **team of six people** with Javascript, HTML and CSS.
- 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: Penetration Tester Path (In progress).
PentesterLab: My Profile lucasvm.
XP Educação: Solutions Architect & Cyber Defense Analyst.
Pato Academy: From Bug to Bounty (Web Hacking).
Pato Academy: Davinci Protocol (OSINT).
All courses and certificates on LinkedIn.

Achievements

OAB: ~~41106~~: Exam XXXII 1a 56 - 2nd tax 8.45
PUC Mines: Axis I highlight project. Showcase

English

Reading: Intermediate (frequent reading in English) | Written: Intermediate/Advanced (with translator help).