



Interested in **server, system, distributed, low-level, real-time, event-driven, embedded, desktop, big data** software in **C++, Go** (also open to Rust, Erlang, C and maybe other languages), libraries, automated tasks.

14+ years experience, focused on **back end** development of **scalable** and **maintainable** applications, a follower of **design patterns, SOLID principles, coding standards**. I really enjoy being part of - and leading - **teams**.

## Andrei Avram

Software Engineer  
Cluj-Napoca, Romania

I aim to grow in quality: architecture, design, performance, security, testing.

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## Experience

- **Software Engineer / Lead**, [Porsche Engineering](#) - June 2020 - present
  - Solve problems, find design solutions, review code, implement and test features, measure performance, automate processes, mentor.
  - C++, Autonomous Driving
- **Senior Back End Developer / Technical Lead**, [Zenitech](#) - April 2018 - September 2019
  - Led the team to better technical and agile process decisions. Improved performance through concurrency and by profiling to find resource leaks. Introduced decoupled design, highly increased unit testing coverage.
  - Go, PostgreSQL, GraphQL, DevOps, AWS
- **Senior Back End Developer / Technical Lead**, Zonga Music (a Trilulilu company) - August 2015 - December 2017
  - Improved performance of a music streaming application by incrementally profiling, decoupling, and rewriting modules with a service-oriented and event-driven approach. Kept all systems alive at any time. Handled communication with technical partners, held interviews, and guided team members.
  - Architecture, PHP 5/7 (Custom/Phalcon), RPC, MongoDB, RabbitMQ, Redis, Memcache, FFmpeg, Nginx, Docker, Linux, Bash, APIs, Microservices, Go
- **Senior Back End Developer**, Trilulilu - April 2015 - March 2016
  - Developed architecture for mobile website and REST API. Reviewed and released all implementations.
  - PHP (Custom/Symfony), JavaScript, MySQL, Nginx, Linux, Docker
- **Back End Developer**, [AROBS Transilvania Software](#) - April 2014 - March 2015
  - Implemented a REST API with unit testing, including database design and migration scripts from legacy system, for a hotel booking and management web application.
  - PHP (Symfony), MySQL
- **Web Developer**, ZIT - October 2010 - March 2014
  - Developed front end and back end for web applications including e-commerce, payments, crawlers, CMS. Written a PHP framework which got to production.
  - PHP (Custom/Laravel), MySQL, JavaScript, jQuery, HTML, CSS, APIs (Paypal, Facebook, Google Maps), PhoneGap
- **Web Developer**, Freelancing - 2006 - 2014

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## Technologies and skills

- C++, Go, PHP, JavaScript
- SQL/NoSQL: MySQL, PostgreSQL, MongoDB, Elasticsearch
- RabbitMQ, Redis, Memcache
- REST, RPC, GraphQL services
- DevOps, Docker, AWS, Jenkins
- Unit and integration testing
- Process automation (setup, build, CI, QA, code analysis)

[View more on cv.andreiavram.ro](#) ↗