ANDRE ABREU

Desenvolvedor

I am a developer with more than 18 years' experience in the professional IT market, with extensive knowledge in areas such as server infrastructure and virtualization, high-availability networks, experience working with SQL databases (such as MySQL, PostgreSQL) and NoSQL (such as MongoDB, DynamoDB and Firestore), as well as a solid understanding of concepts such as transactions, indexes and query optimization. Maintenance of legacy projects. From bash scripts to switch automation code and backup robots, I've always used development to provide solutions to everyday problems.

In recent years, I have specialized in designing, coding, testing and debugging complex software programs in either PHP or Golang, mainly in the implementation and maintenance of RESTful APIs and gRPC, using frameworks such as Laravel, Symfony for PHP and Gin or Fiber for Go. And GORM tools for GO, Eloquent for (Laravel) or Doctrine (Symfony). Always based on SOLID principles, design pattern and message queuing, with the aim of providing efficient, sustainable, reusable and idiomatic code.

I also have experience in other languages, such as Ruby, Python, C++ and TypeScript/JavaScript, including NODEJS, VueJS, NextJS, React and Angular. Versioning with Git tools and advanced knowledge of microservices and containerization for CI/CD processes, as well as AWS, GCP and DigitalOcean. Familiar with KANBAN and SCRUM practices and tools.

Experience in multidisciplinary and multicultural teamwork, good humor, communicative and expressive, cheerful, high level of commitment and responsibility with deadlines and schedules, continuous deliveries, seeking to maintain the necessary cadence to fulfill the agreements signed. Used to working from home for over 10 years.

I'm looking for full-time remote or hybrid opportunities that will allow me to apply all the knowledge I've acquired throughout my career and continue to evolve professionally in the area of software development, contributing to challenging projects in line with the latest technologies.

WORK HISTORY

TIDEWISE, Rio de Janeiro/RJ - Developer - Contract in February 2023 delivery made in AUGUST 2023.

Startup in the naval segment with a sustainability proposal where I worked on a project to develop solutions for the Unmanned Surface Maritime Vehicle (USV). An automaton for collecting environmental, meteorological and underwater soil data. The challenge was to make the data collected available to the contracting companies. The USV was equipped with a starlink antenna and was ready to make more than 20,000 requests per second in parallel, as there were several sensors. Using a microservice written in **Ruby on Rails** using Google Functions and Firebase, I provided a way of storing and making available this collected data dynamically and with high availability to clients such as Exxon Mobil, Repsol, the Federal University of Rio de Janeiro and Águas do Rio.

Stefanini, São Paulo/SP - Developer - Contract in 2021 ending in FEB 2023.

I was the developer on the SISCAP project, a complete student registration system for distance learning courses run by the Minas Gerais State Department of Social Assistance. From the outset, I was involved in the discovery, planning and design of the project, working with the entire service team. To ensure the success of the project, I advised the infrastructure support team on best development practices, including the use of GIT Flow and CI/CD with Docker containers on Google Cloud Platform. The entire system was built using microservices, with the backend written in PHP Laravel and the database being MariaDB. The front-end was developed in Angular, using Node LTS. My role in the project covered all processes, from deployment manifests using Composer and terraform to unit tests and deliveries to the client in meetings.

Movida Aluguel de Automóveis, Guarulhos/SP - Developer - Contract in 2020 ending in 2021.

Initially, I was responsible for reformulating the architectural style of the system written in PHP with Laravel 5.5, which was responsible for OTA (Online Travel Agencies) communication, and migrating from SOAP to REST. Under this new architecture, every method, function and class has been rewritten and rethought to meet the new RESTful standards. The new system adopts SOLID design principles, providing unprecedented stability and reliability in the industry. The success of this migration resulted in my being assigned to review another similar migration that was not achieving the same results. While providing ongoing support to the previous project, I also contributed to the new team on the other project, helping with code improvements and ensuring that best practices were applied throughout the solution. These actions resulted in a noticeable improvement in the system's performance and efficiency, as well as increasing the overall quality of the code and communication with online travel agencies.

Afilio S/A, Rio de Janeiro - Developer - Contract in 2017 ending MAY/2023.

Initially hired as a full PHP developer, I was responsible for maintaining and improving the code of the microservices that served the affiliate campaign platform. Among these microservices, there were two critical ones: one responsible for registering the purchase in a cookie on the customer's machine, according to the campaign data and the product sold (REGVEND), and another that obtained this information from the cookie and processed the correct distribution of commissions (PROCCOM). These services were written in PHP version 5 and used a MYSQL database, and ran on EC2 instances on AWS. However, when demand increased exponentially at times like Black Friday, there were considerable losses due to registration and processing failures. At a meeting, I proposed rewriting the application using more performant languages to be researched. There was initial resistance. However, to avoid any prejudice, I decided to create several prototypes as a personal project in my spare time. I used Python, Perl, Node, Ruby and Golang. After a few hours of work, I presented the system written in Go because, due to performance tests, it was the language that performed best. The prototype was written in Golang using a hexagonal architecture and based on SOLID connecting to a DocumentDB cluster (MongoDB versioned by AWS) and performed very well, after evaluation by the CTO, it was decided to change from prototype to project. We defined the CI/CD infrastructure and protocols. We deployed the microservices with Kubernetes pods running on EKS, all on AWS. Locally, we used a docker-compose to extend the Go containers with MongoDB. When the app development and unit tests were completed, everyone had high expectations for the next Black Friday. Our board, CTO and CFO were fully involved and, even under all the pressure, the work flowed well and we delivered the project. We achieved amazing results: compared to previous losses, which were around 30% in 2019, Afilio registered a record low loss ever seen, with only 0.02% in 2020, where a small adjustment in the memory usage of the PODS and a more effective resource usage policy were essential to achieve the impressive ZERO loss percentage. I'm very proud of that case, which is still running today.

MÍDIA SOCIAL
LinkedIn: https://www.linkedin.com/in/abreulandre/

GitHub: http://github.com/andreabreu76

PERSONAL DATA

ADDRESS Ilha do Governador - RJ
Rua Ruy Vaz Pinto, 15/302
MOBILE: (21) 997990964
EMAIL: andre.abreu@gmail.com

GRADUATION
Degree in Information Technology Management - ESTÁCIO - End in 2022
Degree in Communication - FACHA - AGO 2010
Data Processing Technician - STA MÔNICA - DEC/2003
In addition to many certifications at the start of my career, such as Cisco CCNP, MVC, REDHAT, LPIC1 and 2, Comptia Secure+, which are now expired and no longer apply to my desires in the developer area.

LANGUAGES
English (B2), Spanish (A2) and Italian (A1).