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Date of Birth: 1991-12-10

Bucaramanga, Colombia.

EXPERIENCE

- **Freelance Software Engineer**

Ten months working independently in different projects for backend and frontend web development, as well as infrastructure consulting and deployment using technologies such as Python (frameworks Flask with SQLAlchemy and Django), JavaScript (using the Angular framework or other libraries), PostgreSQL as database. Docker, continuous integration, git, bash and several cloud providers for infrastructure.

- **Agreele, Pensemos: Backend Architecture and Infrastructure consultant**

One year in charge of backend development and maintenance of a note-taking/task-management application startup. Current Full-Stack Consultant and developer.

Built the entire backend infrastructure as a REST API using the Python microframework Flask with PostgreSQL as the DBMS.

Wrote the skeleton and initial versions of the frontend client using the javascript MVW framework Angular and the CSS framework Foundation with the Sass preprocessor.

Setup and maintenance of the entire development and deployment infrastructure: Execution based on Docker containers and deployment and distribution based on the revision control system Git with helper shell scripts and hooks. Fine tuning of the process with Ansible planned.

- **Eximo/FastCloud: Backend and Frontend Software Developer.**

More than a year in Software Development and Maintenance for a Web Applications Startup.

Frontend (javascript) and Backend (java) work on the company's own graphical CMS for website prototyping. New features and bug fixes.

Frontend (javascript) and Backend (java) work for a client's CRM. New features and bug fixes.

Purchase , setup and maintenance of a virtualization server for testing.

Maintenance and troubleshooting of the revision control system.

EDUCATION

UNIVERSIDAD INDUSTRIAL DE SANTANDER

Bucaramanga, Colombia, Systems and Information Engineering

GPA: 4.28

April 2008 – April 2013

PROFILE

Systems Engineer, by degree, with interest and focus in Software development and Infrastructure management. Follower of good development practices and, as a perfectionist, keen on refactoring and vying to keep my code maintainable.

More than three years of experience as a full-stack developer writing web applications, services and their clients. I gravitate toward backend work with REST architectures.

Practitioner of DevOps, always trying to learn new and better ways to ease the development, testing and deployment processes.

ADDITIONAL WORK, STRENGTHS AND SKILLS:

- Backend development in Python: REST APIs (best practice) using Flask plus extensions, presentation (if needed) handled with Jinja templates. SQLAlchemy as ORM of choice.
- Backend infrastructure: PostgreSQL and MongoDB for Databases and Nginx for reverse proxy.
- Frontend development: both pure Javascript and in-depth knowledge and experience with the MVW framework Angular.
- Frontend web layout: in-depth knowledge and experience of CSS. Working knowledge and experience with Foundation and Sass.
- Development Operations: containerizing (avant garde isolated single-process executions) using docker. Version control using Git. Management configuration with Ansible. All three for continuous deployment.
- Server maintenance and automatization: deep familiarity and understanding the linux console for different distributions. Shell scripting in bash. Working understanding of the built-in firewall for security.
- Development Methodology: Extensive experience working under Scrum, both as developer and as scrum master. Test Driven developer.
- Thesis consisted of an application, developed with backend in PHP and MySQL and frontend in Javascript, to control the donations and transfers in Banco Metropolitano de Sangre; developed directly from the requirements elicited through fieldwork including interviews, observation and analysis of previously used methods and tools. The application was tested, deployed and met with the approval of the users.