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Date of Birth: 1991-12-10

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EXPERIENCE

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

One year in charge of backend development and maintenance of a note-taking/task-management application startup.

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 with interest and focus in Software Development, Systems Administration and Management. Quick learner, trustworthy, responsible and capable of working as part of a team or independently. Self-critical and keen observer who aims to take advantage of every situation, find learning opportunities wherever possible and contribute with ideas that can improve an existent solution or solve a problem.

ADDITIONAL WORK, STRENGTHS AND SKILLS:

- Backend development in Python: REST APIs (best practice) using Flask plus extensions; full featured MVC based applications using Django. SQLAlchemy as ORM of choice. Limited experience with Django ORM and PyMongo.
- Additional backend experience in Java and PHP.
- Backend infrastructure: RDBMS PostgreSQL and MySQL. Additional experience with the noSQL DBMS MongoDB.
- Backend infrastructure: extensive experience with the Nginx reverse proxy for delivery and load balancing.
- 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: 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.