Matias Alberto Calcagno

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Professional career summary

C++ Software Developer with over 13 years of experience, mostly working in agile teams using Scrum/Kanban as the main development process, with experience leading distributed teams.

Worked on multiple C/C++ projects ranging from high performing batch processing backend applications to desktop applications that rendered 3D models as accurate as possible with millions of data points. Also worked on web applications in various languages including PHP, NodeJS, ReactJS and Angular, with NoSQL databases such as MongoDB.

Technical Skills

Languages:

- C
- C++ (11/14/17)
- JavaScript
- PHP
- Ruby
- Python

Libraries and Frameworks:

- C++: QT, Boost, STL, PugiXML, RapidJSON
- Ruby: Ruby on Rails, Sinatra, Gosu
- JavaScript: NodeJS, AngularJS, Angular, ReactJS, Mongoose, GraphQL

Databases:

- PostgreSQL
- ORACLE
- MySQL
- MongoDB

Languages

- Spanish (native speaker)
- English (advanced)

Employment History

Development Consultant, Endava, Buenos Aires, Argentina

(September 2010 – Present)

- **Project**: Avvo (https://www.avvo.com) - (September 2019 - Present)
  - **Role**: Team Lead
  - **Description**: Researching PHP technology stack to implement new applications that integrate tightly with the existing microservices and the CI/CD workflows
  - **Technologies used**: PHP, Ruby on Rails, MySQL, Docker

- **Project**: Eagleview (https://www.eagleview.com) - (August 2018 - September 2019)
  - **Role**: Team Lead
  - **Description**: Implemented transition from legacy authentication system to an OAuth based method. Assisted in the migration from in premises services to cloud-based services (AWS)
  - **Technologies used**: PHP, Zend, ExtJS, JQuery, NodeJS, PostgreSQL, C, Groovy, AWS (Cloudformation, Lambdas, API Gateway, CloudFront).

- **Project**: Online Resumes - (May 2018 - August 2018)
  - **Role**: Team Lead
  - **Description**: Designed and implemented a web application to manage resumes for the company's employees from scratch. Determined and prioritized tasks for team members and acted as a technical lead. Performed code reviews on team member's code.
  - **Technologies used**: NodeJS, NextJS, ReactJS, GraphQL, Jest, Gitlab, Docker.

- **Project**: SpotX (https://www.spotx.tv/) - (August 2017 - May 2018)
  - **Role**: Sr. Developer
  - **Description**: Built new libraries to implement VAST 2, 3 and 4 specifications.
  - **Technologies used**: C++17, PugiXML, RapidJSON, Catch, Jenkins.

- **Project**: Trip Management - (December 2016 - August 2017)
  - **Role**: Sr. Front end developer
  - **Description**: Maintained and added new functionality to a trip management web application written in AngularJS with a Ruby On Rails API backend.
  - **Technologies used**: AngularJS (1.5.6), Ruby on Rails API, Gitlab, Docker

- **Project**: Tecplot (https://www.tecplot.com) - (November 2010 - December 2016)
  - **Role**: Sr. Developer
  - **Description**: Designed, developed and maintained data loading plug-ins for the Tecplot 360 application as well as migrating old MFC interface dialogs into Qt. Worked on the engine code that dealt with processing large amount of data points in real time. The project includes multiplatform development for 32 and 64 bit Windows / Linux and Mac OS
  - **Technologies used**: C, C++, MFC, Motif, Qt 4.8, Boost.

- **Project**: Zetec (http://www.zetec.com) - (September 2010 - November 2010)
  - **Role**: Sr. Developer.
  - **Description**: Added new functionality to the reporting application
  - **Technologies used**: C++98, Qt 3.8

Semi Sr. Developer, Verizon Business, Buenos Aires, Argentina

(September 2007 – September 2010)

- Development and maintenance of multithreaded applications developed in C++ (for HP-Unix environment) for the automation of local voice switching and provisioning. The project involved Gsoap web services, Corba and Oracle databases using OCCI.

Junior Analyst, Accenture, Buenos Aires, Argentina
(December 2005 – September 2007)

- Development and maintenance of multithreaded applications developed in C++ (AIX - Unix) for the billing of the local, national and international telephony services. Involved Unix shell scripting development and ORACLE database and forms.

Education

IAE Business School, Buenos Aires, Argentina
(August 2018)

Short training in Leadership, “Leader as a coach”.

United States International University, Nairobi, Kenya
(April 2003 – August 2005)

BS, Information Systems and Technology (Magna Cum Laude, GPA: 3.718)

Universidad de Buenos Aires, Buenos Aires, Argentina
(March 2000 – December 2002)

BS, Software Engineering (Incomplete, due to relocation)

References

References are available upon request.