Alexandre Matos

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Goals

Chief Software Architect
Senior Software Engineer
Data Scientist

Introduction

Senior software engineer, proactive, with critical sense, good communication skills and focused on problem-solving, with extensive knowledge of systems architecture and always willing to learn new languages, tools and technologies.

Preference for backend development in Linux, using Python, Django and PostgreSQL, but with large experience in C# / ASP.NET MVC, as in frontend technologies (HTML, CSS and JavaScript), using tools like jQuery, Bootstrap and React.

Advanced knowledge of relational databases programming, as well as their optimization and administration. Also experienced in NoSQL databases (Redis), for various use cases such as caching, logging, real-time metrics and message queuing.

Attentive to code quality and performance, using best practices in application design, as well as analysis tools to measure execution times and identify performance bottlenecks, besides automated tests, code coverage and code review, to verify correctness.

Experienced in Agile methodologies, like Scrum and Kanban, as in DevOps, automating software delivery using continuous integration, besides server monitoring and management.

Experienced in machine learning and statistics, having developed predictive systems encompassing data visualization for pattern discovery, data cleansing, transformation and variable extraction for building models to be used on predictive analytics.

Experienced in financial markets, having developed stock screeners for investment strategies, besides having knowledge in accounting and economics.

Experienced in project and team management, executing system's implementation and user training. Responsible for technical decision making, strategic product planning and customer's requirement analysis.

Experience

GoRead (01/2016 – presente)
Social Network focused in book authors. USA
Python / Django Developer

- ✓ Web Development using Django, PostgreSQL and Redis;
- ✓ Responsible for developing a real-time analytics system and a user demographics oriented advertising platform
- ✓ DevOps, executing application deployment and server maintenance.

CineMaterna (03/2015 – 08/2016)
São Paulo, SP, Brazil
ASP.NET MVC Developer

- ✓ Web development, using ASP.NET MVC, AngularJS and Bootstrap;
- ✓ Azure Management;

data-learn.com (01/2014 – 03/2015)
Online predictive analytics platform (machine learning)
Founding Partner and Developer

- ✓ Machine Learning algorithms development, using GNU Octave;
- ✓ Web user interface development, in Django (Python), PostgreSQL and Bootstrap;
- ✓ Virtual Linux management;

StockViewer (06/2012 – 01/2014)
Porto Alegre, RS, Brazil
Founding Partner and Developer

- ✓ Development of a Brazilian Stock Exchange daily share prices database, using PostgreSQL;
- ✓ Data file processing in Python;
- ✓ Development of fundamental and technical analysis algorithms for assets selection, using SQL and Python;

Cenarius (05/2008 - 05/2012)
Porto Alegre, RS, Brazil
Product Manager

- ✓ Product and team manager, setting priorities, deadlines and establishing testing routines;
- ✓ Customer requirements analysis;
- ✓ Brazilian Electronic Invoice (NF-e) system development, in C#;
- ✓ Key Performance Indicator (KPI) web application development, using SQL Analysis Server and multi-dimensional cubes (OLAP / BI);
- ✓ Client training;
- ✓ Involvement in strategic software planning, defining technologies and tools for product quality improvement;
- ✓ Experience in enterprise systems and budget planning;

National Financial Partners (05/2006 – 10/2007)
Austin, Texas, EUA
ASP.NET Developer

- ✓ Developer for the company's strategic and priority projects, developing tools for insurance policies' analysis and management;
- ✓ Sharepoint development;

Pocket Knife Software (12/2005 – 04/2006)
Austin, Texas, EUA
Freelancer ASP.NET Developer

- ✓ Web application, using ASP.NET with C# and AJAX.NET

Cooplantio (06/2004 – 08/2005)
Porto Alegre, RS, Brazil
ASP.NET Developer

- ✓ Fifteen thousand hours project. Migration of an ERP Clipper System to an object-oriented multi-layer ASP.NET application.
- ✓ Developed the following modules, using an object-oriented model, having worked in presentation, business and database layers:
  - Supply (Forseen supply, transportation costs, product transference, supply route);
  - Invoicing (credit analysis, order approval, cash flow);
  - Accouting (accounts payable, receivable and comissions);
  - CRM (market estimates and potential);
- ✓ ActiveX control in C++ to improve print over the web and integration with Crystal print control through javascript.

Serviplan (03/2003 – 05/2004)
Caxias do Sul, RS, Brazil
ASP.NET Developer

- ✓ Web development with ASP.NET (C#), working in Key Performance Indicator (KPI) and *Business Intelligence* (BI) modules, using SQL 2000 Analysis Services.

LinkIndustria (12/2000 - 03/2002)
Porto Alegre, RS, Brazil
Intern

- ✓ Responsible for the finance and administrative departments.

Education

Bachelor of Economics, UFRGS, July 2005.

Languages

English (fluent)
Spanish (intermediate)

Certificates

Machine Learning Online Course (Stanford University / Coursera, 2014)

Developing and Implementing Web Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET (70315 , 2005)

Installing, Configuring, and Administering Microsoft Windows 2000 Professional (70210 , 2002)

Courses

Machine Learning Online Course (Stanford University / Coursera, 2014)
Programming a Microsoft SQL Server 2000 Database (MS2330A , 2003)
Programming with C# (MS2124C, 2003)
Implementing Windows 2000 Professional and Server (MS2267A 2002)
Microsoft Windows 2000 Network Essentials (MS2266A , 2002)