

## Artur Oliveira Rodrigues

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CONTACT INFORMATION	Rua Imaginária 100 Bairro Imaginário Belo Horizonte - MG Brazil - 30000000	<i>Phone:</i> +55 31 00000000 <i>GitHub:</i> github.com/arturhoo <i>E-mail:</i> arturhoo@gmail.com <i>WWW:</i> www.artur-rodrigues.com
CITIZENSHIP	Brazilian	
BIRTH	24 <sup>th</sup> February, 1990	
AREAS OF INTEREST	DevOps Engineering, Data Visualization, Systems Architecture and Web-based applications and services	
EDUCATION	<b>Universidade Federal de Minas Gerais, Brazil</b>  B.S., Computer Science, July 2012 <ul style="list-style-type: none"><li>• Dissertation: <i>Como nos sentimos: visualização de sentimentos</i></li></ul> <b>University of Leeds, United Kingdom</b>  B.S., Computer Science, January 2012 <ul style="list-style-type: none"><li>• Visiting Student</li></ul>	
ACADEMIC APPOINTMENTS	<b>Research Assistant</b> Department of Computer Science, Universidade Federal de Minas Gerais <ul style="list-style-type: none"><li>• e-Speed Lab<ul style="list-style-type: none"><li>– Research of novel data visualizations and visual data mining techniques</li></ul></li></ul>	<b>March 2012 to December 2014</b>
CONFERENCE PUBLICATIONS	[1] A.O. Rodrigues, R.C. Melo-Minardi, and W. Meira Jr. Como nos Sentimos: Uma Ferramenta de Mineração Visual de Sentimentos no Twitter. In: <i>II Brazilian Workshop on Social Network Analysis and Mining</i> , July 24–25, 2013.  [2] Silveira, S.A., A.O. Rodrigues, R.C. Melo-Minardi, C.H. da Silveira and W. Meira Jr. ADVISE: Visualizing the dynamics of enzyme annotations in UniProt/SwissProt. In: <i>IEEE Visualization 2012, 2nd IEEE Symposium on Biological Data Visualization</i> , October 14–15, 2012.	
LANGUAGE SKILLS	Portuguese <ul style="list-style-type: none"><li>• Native Language</li></ul> English <ul style="list-style-type: none"><li>• Professional oral and written comprehension and expression of the English Language</li><li>• ETS TOEFL iBT score of 109</li></ul> Spanish <ul style="list-style-type: none"><li>• Intermediate oral and written comprehension of the Spanish Language</li><li>• Basic oral and written expression of the Spanish Language</li></ul>	

PROFESSIONAL  
EXPERIENCE

**IDXP Analytics**, Belo Horizonte - Brazil

*Engineering Team*

**August 2014 to present**

- Infrastructure administration on AWS (EC2, RDS, DynamoDB, S3, Route 53, SES), dealing with multimillion daily datapoints
- Inception and development of a Microservices oriented architecture consisted of multiple Ruby and Python agents and Databases
- Construction of an Analytics API using Ruby on Rails and PostgreSQL
- Rigorous and pervasive testing using RSpec and pytest
- Development of internet aware scripts deployed to constrained 4MB OpenWRT based nodes
- Open source provisioning toolset using Ansible, Packer and Vagrant

**EloGroup**, Belo Horizonte - Brazil

*Software Engineering Team*

**November 2012 to August 2014**

- Ruby on Rails development guided by BDD, DDD, Uncle Bob's "Architecture: The Lost Years" talk and Hexagonal principles
- Administration of the AWS cloud infrastructure of both EloGroup and Innvent (EC2, S3, RDS, SES, SNS, Route 53, IAM and CloudWatch)
- Infrastructure product management
- Development of new deployment and provisioning schemes

**DeskMetrics**, Belo Horizonte - Brazil

*Software Engineering Team*

**June 2011 to September 2011**

- Migration of the company's online infrastructure from RackSpace to Amazon Web Services
- Maintenance and optimization of MongoDB database cluster
- Python development - responsible for a new Data Export API

**Companhia Energética de Minas Gerais (CEMIG)**, Belo Horizonte - Brazil

*Superintendence of Technology Information*

**March 2010 to December 2010**

- SAP IS-U/CCS (Industry Specific Solution for Utilities Industry/Customer Care and Service) systems analysis
- Elaboration of technical specifications and test plans for solutions under the SAP system
- ABAP development under SAP IS-U/CCS module

**Centro de Computação da UFMG (CECOM)**, Belo Horizonte - Brazil

*Communication Networks Division*

**August 2008 to July 2009**

- Configuration, monitoring and maintenance of the University Network, including security solutions, email, name, page and file servers
- Installation, configuration, maintenance and programming of small, medium and large size routers
- Installation, configuration and maintenance of servers, workstations and applications under GNU/Linux and Windows systems
- Installation, configuration and maintenance of the University VOIP service under RNP's Voip4ALL project

CURRENT  
TOOLSET

Ruby, Python, Rails, Sinatra, Flask, Ansible, Packer, Consul, PostgreSQL, RSpec, Pytest, Beanstalkd, Nginx, AWS and Docker