JUAN PEMBERTHY

Address: 1652 Dolores St Phone: (+1) 415 535 9740

• juan@pemberthy.com • juan.pemberthy.com

WORK HISTORY

Uber Technologies (November 2014 - Present)
Software Engineer

- Im constantly developing and maintaining backend systems to support the External API program. Such services include: the Uber OAuth2.0 provider, the external API backend service itself, a sandbox backend to let external developers and partners simulate real trip requests and a webhooks service to notify external developers of Uber events. These services are built on top of diverse tools like Python Flask, Python Tornado, Redis, MySQL, Kafka and the Go programming language.
- Developed a high level testing tool to guarantee consistency of the API endpoints in different environments: regular and sandbox. The tool makes usage of API blueprints specifications to describe the endpoints behavior and then performs requests against a given environment to make sure it satisfies the expected behavior. It was written as a node.js package.

We Heart It (May 2012 - Present)
Software Engineer

- At weheartit I designed and developed the internal API, this service supports the iOS and Android mobile applications.
- Developed and scaled systems to publish millions of hearts (likes) to thousands of user dashboards.
- Developed the images uploads service.
- These services were built on top of diverse tools like: Ruby, Ruby on Rails, MySQL, Redis, Lua, Cassandra, node.js and RabbitMQ.
- It was also my responsibility to work on the development of new features and bugs fixes.

Stack Builders Inc (November 2010 - March 2012)
Software Engineer Contractor

- As a Stack Builders contractor, I developed a micro messaging social network based on geolocation along with private applications for the finance leaders sector. The main stack components to build these services were Ruby on Rails, MySQL and MongoDB.

Martian Interactive LLC (March 2009 - November 2010)
Software Engineer Contractor

- As a Martian Interactive contractor, I developed applications for clients in the educational, transportation and life coaching industries. Main tech components use to build the services: Ruby on Rails, MySQL and MongoDB.

Eureka Facts LLC (January 2008 - July 2008)
Software Engineer Intern

- Conducted survey programming, online data capture, web development and business intelligence tool customization.

Universidad EAFIT (Medellín, Colombia)
Educational Computing Research (January 2007-November 2007)
Part-Time Research Assistant

- Improved the Telepresence Project, a collaborative tool for distance education. Using Java, Java Media Framework and Java3D we managed to integrate multi-point video using RTP into the application.

OPEN SOURCE AND PERSONAL PROJECTS

- `http://timehub.me/` - Invoicing for GitHub. Winner of the 2011 Rally on Rails.
- `http://bolsaenred.com/` - A Community for people investing in the Colombian Stock Exchange.
- `http://github.com/weheartit/crystal/` - A control tower for repetitive tasks within your company.
- `http://github.com/jpemberthy/marianita/` - An API to detect and persist the most relevant events of your FB, Instagram and Twitter.
- `http://github.com/jpemberthy/aria_api` - Ruby wrapper for the Aria billing system API.
- `http://ezgraphixdemo.heroku.com/` - A Rails 2.3 plugin to generate chart graphics.
- `http://github.com/jpemberthy/` - Other projects.

EDUCATION

Universidad EAFIT (Medellín, Colombia)
2004-2009 Bachelor in Computer Science
Current Cumulative (GPA): 4.23/5
Selected Coursework:

Computer Science: Computer Graphics · Distributed Virtual Reality · Programming Languages · Data Structures and Algorithms · Automata & Computation · Numerical Analysis · Databases · Operating Systems · Computer Architecture · Compilers · Distributed Systems

Mathematics: Multivariable Calculus · Linear Algebra · Discrete Math · Physics · Statistics · Operations Research

Skills

- Proficient in software development using Ruby.
- Proficient in Web Development using Rails.
- Proficient in TDD.
- Familiar with BDD.
- Familiar with C/C++, Java, Javascript and Bash.
- Familiar with GNU/Linux and Mac OS X.
- Familiar with technologies such as Git and SVN.

Languages

- Spanish - Excellent (Native)
- English - Excellent (MELICET 91)

Achievements

- Winner of the Rally on Rails 2011 with TimeHub
- SVR 2008 Joao Pessoa, Paraiba, Brazil (Full paper accepted: Telepresence: A Tool for Distance Education)
- Premios GEMIS 2004 (Category: Data Structures and Algorithms) at Universidad EAFIT
- Premios GEMIS 2005 (Category: Data Structures and Algorithms) at Universidad EAFIT
- Premios GEMIS 2008 (Category: Papers Telepresence: A Tool for Distance Education)

Related Events

- Assisted to RubyConf Brazil 2010
- Assisted to RubyConf Argentina 2011
- Assisted to RailsConf 2012
- Assisted to Heroku Waza 2013
- Assisted to I love APIS 2013