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## PERSONAL SUMMARY

I am a highly dedicated professional who has had the chance to work on challenging projects and within great teams. I am most knowledgeable in the design and development of database and backend services using Python and Postgresql which I have used while taking part in the development of systems that supported millions of daily transactions. I am also familiar with Javascript and also MVC frameworks such as Django (server-side) and Backbone (client-side) which I have used for pet projects. I strongly believe that testing from the ground up is crucial in the development and maintenance of quality software.

I am a driven individual who gives great importance to the purpose of the projects he gets involved with and that is the reason why your company is appealing to me. I am based in Lisbon, Portugal and looking forward to work within a remote team.

## CAREER HISTORY

Different locations

### **SABBATICAL PERIOD January 2013 – March 2015**

I made a break from my career two years ago and have since then been experimenting with different areas of knowledge such as languages, dancing, farming and teaching. As a side-effect of this experimental period, I am at the moment preparing the launch of [www.Swapsters.io](http://www.Swapsters.io), which aims at becoming a platform that connects people wanting to share talents and skills.

Microsoft – Tallinn, Estonia

### **SOFTWARE DEVELOPER November 2011 – January 2013**

Worked within a product team of software engineers and product people to deliver solutions to our calling infrastructure, including billing, processing calling-related events and data transformation. Started a weekly session of knowledge-sharing within the team where members lectured topics that helped colleagues get up-to-speed in areas that they normally didn't deal with.

Main responsibilities:

- Designing and developing databases and backend services (Postgresql/Python & Microsoft Azure/C#)
- Designing and upgrading APIs for third-party consumers.
- Developing using TDD methodology and writing tests for legacy code.
- Code reviewing.

Skype – Tallinn, Estonia

### **DATABASE DEVELOPER July 2008 – November 2011**

In this position I was designing and implementing relational database systems that scaled for millions of daily transactions. Took part in architectural decisions and was the main developer for Skype Contacts Search and Contact Import. The job involved close interaction with the Web and System Architects teams.

Often had the role of taking new hires onboard by introducing them to our systems and teaching our tools.

Main responsibilities:

- Database and backend architecture, design and implementation
- Developing database functions to implement business logic supporting different products and services
- Writing backend scripts and batch jobs for asynchronous and offline data processing
- Unit and functional testing
- Bugtracking together with other teams, including assisting customer service in providing feedback to end-users

Skype – Tallinn, Estonia

### **QUALITY ASSURANCE ENGINEER April 2007 – July 2008**

At the time, filled in the position as Skype's first dedicated database tester. The work revolved around white-box testing all database releases and writing automation tests to guarantee correct behavior. Enjoyed doing white-box testing and the added value of not only reporting bugs but also suggesting how the exact fix could look like.

When the time came to grow the team, interviewed and evaluated candidates and helped new team members get acquainted with our infrastructure and tools.

Main responsibilities:

- White-box testing of database and Python code releases.
- Managing code releases to staging environment.
- Writing automation tests for business logic of billing and payment code bases.
- Administration of testing servers in linux environment.

Skype – Tallinn, Estonia

**TRAINEE DATABASE DEVELOPER October 2006 – March 2007**

Worked for Skype's DBA team implementing a monitoring system for our database clusters. The main project undertaken was the development of a tool that aggregated different metrics from several data sources and processed data reporting outliers and unusual activity.

Main responsibilities:

- Collecting and aggregating statistical information from different data sources (logs, queues, databases)
- Statistical analysis of data (SciPy)

**KEY COMPETENCIES**

IT skills

- Database development in Postgresql (SQL and pgplSQL)
- Backend services development in Python
- Database design and implementation for scalability (pl/Proxy)
- Queuing and replication systems with pgQ and Londiste
- Database Architecture and API Design
- Linux operating system
- Revision control (CVS, SVN, Git)
- Release Management
- Software project management

Personal skills

- Accustomed to working in distributed teams and different timezones.
- Able to deliver while working from remote locations.
- A good communicator used to integrating processes with teams of different areas.
- Acting as a support to new hires.

**ACADEMIC QUALIFICATIONS**

Tartu University Masters Degree - Information Technology - 2010 - 2012

Instituto Superior Técnico Bachelors Degree - Computer Science - 2000 - 2006