Philipp Gruber

Senior Software Engineer

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Summary

I am an agile, flexible and well-organized Software Engineer with a degree in Computer Engineering and 12 years of professional experience in Software Development, mostly in PHP. I have deep knowledge of Linux platforms and broad DevOps skills as well as a passion for open source software. I have extensive experience in developing applications for database servers, predominantly MySQL and PostgreSQL.

As a great team player I love working with and supporting people to reach goals together.

My pragmatic way of thinking, a high level of efficiency, great problem solving and excellent communication skills make me a valuable addition to any team.

I am looking for a permanent role in Melbourne.

Professional Experience

05/2017 - 07/2017   **Senior PHP Engineer (Contract)**, *IE Digital*, Melbourne.

Designing and developing a REST API for Australia Post to communicate shipping information with e-commerce merchants in PHP7, Symfony3 and PostgreSQL.
Engage with stakeholders and clients to discuss technical requirements and make architectural decisions.
Setting up a CI/CD pipelines using Docker, TeamCity and AWS CodeDeploy and heroku.
Load testing and performance optimization.

05/2016 - 05/2017   **Senior Software Engineer**, *MyNetFone*, Melbourne.

Maintaining, enhancing and modernizing a legacy application of more than one million lines of PHP code that manages customer accounts, provides APIs for third party applications and handles billing customers and wholesalers.
Migrating legacy systems to modern Frameworks like Symfony and Laravel/Lumen.
Implementing a new MVNO platform, fully integrated with Telstras mobile network.
Implementing modern JSON APIs for different components of the system to communicate efficiently with each other.
Mentoring and assisting two junior developers.
Discussing technical requirements with non-technical stakeholders of various departments.

03/2014 - 05/2016   **Senior Software Developer**, *CatchOfTheDay.com.au*, Melbourne.

Developing modules for an extensive internal platform based on PHP, Symfony and MySQL and maintaining existing parts of it.
Managing up to 10.000 orders per day, placed by more than 7 million customers and corresponding data flow between websites, backends, warehouses and third party applications.
Discussing and planning technical requirements and solutions with stakeholders from various departments, other developers as well as representatives from third parties.
Integration of various third party APIs, using various technologies including but not limited to REST, SOAP, JSON, XML and SQL.
Implementation of client- and server-side REST interfaces for communication between different internal components.
Designing new and improving existing fraud detection techniques.
Generating GS1 compliant barcodes, labels and manifests for Australia Post shipments.

11/2013 - 02/2014 **Senior Web Developer (Contract)**, *Manalto*, Melbourne.
Designing and developing a Social Media management platform for a new startup on a LAMP stack with Symfony from scratch.
Assisting and supporting two junior developers.
Parallels APS Package Development.

11/2012 - 10/2013 **Web Developer**, *[id] digital*, Melbourne.
Developing various client websites in PHP, JavaScript and MySQL.
Maintaining and extending the in-house content management system.
Administration of production web servers.
Supporting and mentoring four other developers.
Maintaining the internal network and development servers.

02/2008 – 05/2011 **Software Engineer**, *Astaro Internet Security (now: Sophos), Research & Development*, Karlsruhe, Germany.
Developing an email encryption gateway in C++ that encrypts and signs or decrypts and verifies user emails on an SMTP-proxy on-the-fly with PGP or S/MIME without any user interaction.
Developing a client-server-based statistics tool with a graphical frontend on the client side to show real time information about mail queues of SMTP proxies in C++ and Qt.
Developing a web frontend for a cloud based email archiving solution in PHP, JavaScript and PostgreSQL running on Amazon EC2.

04/2007 – 02/2008 **Software Researcher**, *Thomson (now: Technicolor), Research & Development*, Hanover, Germany.
Implementing a distributed I/O Scheduler for the Linux Kernel in C for high performance data access on a SAN.
This consisted of a multi-threaded real-time server and a client application written in C++ and a Linux Kernel Module written in C.

09/2003 – 03/2007 **Software Developer**, *Megabit Informationstechnik*, Mönchengladbach, Germany.
Developing and maintaining various client websites, reaching from simple online shops to extensive statistics and analysis applications for market research. All of them in PHP, usually MySQL or PostgreSQL and various frameworks and libraries.

Education

08/2003 – 01/2008 **Graduate Diploma in Engineering (comparable to an Australian Master of Engineering)**, *Niederrhein University of Applied Sciences*, Krefeld, Germany.
4-Year Course in **Computer Engineering**.
Major in **Software Engineering**.

08/2005 - 12/2005 **Exchange Semester**, *Dundalk Institute of Technology*, Dundalk, Ireland.
Major in Internet Technologies

Skills

Programming languages

PHP	*10 years*
Symfony, Laravel/Lumen, CodeIgniter	
JavaScript	*5 years*
jQuery, Openlayers	
C++, C	*5 years*
Shell Scripting	*4 years*
bash, zsh	

Databases

MySQL	*10 years*
PostgreSQL	*6 years*
MS-SQL	*1 year*
Oracle	*1 year*

Other

Amazon Web Services	*4 years*
S3, EC2, ELB, SSM, SQS, CodeDeploy	
Linux	*8 years*
Development	
Administration	
Apache, nginx, Lighttpd, MySQL, munin, BIND, Postfix, Courier Mail	
Networking	
Version control systems (Git, Subversion, CVS)	*12 years*
Object Oriented Programming	*10 years*
Real-Time programming, Multi-Threading	*2 years*
GUI Development (Qt, FLTK)	*2 years*
LaTeX	*6 years*

Publications

January 2008	**Distributed I/O-scheduling on Linux**, *Graduation Thesis*, (in German), http://flupps.net/diplomarbeit.pdf.

Other

since 2012	**Member of PHP Australia**.
06/2011 - 09/2012	**Gap Year**, *Travelling from Germany to Australia over land.*
since 2006	**Running personal servers on Linux**, *for email, databases, DNS, various personal and community websites and as a playground for technologies and smaller projects.*
2007 - 2016	**Running hitchwiki.org**, *a global encyclopedia and social network for travellers with around 3000 visitors per day.*
2003 - 2007	**Member of the Linux User Group**, *Mönchengladbach, Germany.*

Languages

German	**Native**
English	**Fluent**
French	**Fair**
Russian	**Fair**
Spanish	**Fair**
Dutch	**Basics**

Online References

Website	http://flupps.net/
LinkedIn Profile	http://www.linkedin.com/in/philippgruber
Github Account	https://github.com/MrTweek/
Stackoverflow	http://stackoverflow.com/users/3064442/mrtweek

References

Available on Request