

Nikolay Panov

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Software Engineer, Sr. Python Developer

Summary

I'm an experienced software engineer. I had worked for Nortel, TCS and other large enterprises, as well as for small startups. I have more than six years of Python programming experience and eleven years of overall professional programming experience. I have been a solo full-stack developer (building websites/web services from scratch) and been a part of big multinational distributed team (as a team member and as a team leader).

Work History

Python/Django Developer

Oct 2011 - Sep 2016

[Upwork \(formerly oDesk, upwork.com\)](#)

I was involved in a number of internal Upwork's projects and in projects for Upwork's customers, performing the following services:

- [team member] Review tool for linguistic quality evaluations
 - Development and maintenance of backend service;
- [team lead] Tool for linguistic knowledge exchange and issues reporting
 - Development and maintenance of backend service;
- [solo developer] Automatic screenshot capturing tool
 - Development of Chrome extension;
- [team lead] Configuration, assignment and role management tool
 - Support and maintenance for one of the core services of client's infrastructure;
 - Design and implementation of bootstrapping for development environment;
 - Design, implementation and maintenance of two generations of APIs;
 - Design, implementation and maintenance of two generations of authentication/authorization subsystems;
 - Integration with internal and external network services;
 - Implementation and improvement of automated tests.

Responsibility: taking care of internal heavy used web-services, leading two small teams of developers, participation in cross functional projects, developing backend modules, web-UI, REST API, growing TTD.

Tools: python, django, git, linux, selenium, mysql, memcache, jenkins, vagrant, ansible, sphynx, tastypie, jquery, bootstrap, GAE

Python/Django Backend Engineer

Apr 2011 - Oct 2011

[Word News \(wn.com\)](#)

I was in charge of developing and support of 56 travel-related sites, like dubai.com. My main work area is backend tasks (python/django), plus some rare frontend (javascript) tasks when ours frontend designers were experiencing troubles.

I have re-written almost all backend code and has increased overall site performance for about 600%. I have also integrated some external APIs, e.g. Expedia API, Viagogo API, Cartrawler API, Viator API, etc.

Tools: linux, python, django, git, jQuery, lighttpd, nginx, jenkins, memcache, redis, postgresql

Information Technology Engineer

Jul 2005 - Apr 2011

[MERA NN \(mera.com\)](http://www.mera.com)

MERA is an outsourcing company with gave me an experience of working with such big companies as Nortel (<http://en.wikipedia.org/wiki/Nortel>) and TCS (<http://www.telecomsys.com/>).

- Nortel HLR Project (UK)

Responsibility: design and documentation of Nortel GSM HLR (http://en.wikipedia.org/wiki/Home_Location_Register#Home_location_register_.28HLR.29) components, support.

While being on "Feature Prime" position, I lead a team of engineers and have successfully delivered "Location-based services" year-long feature on schedule.

While being "Support Prime", I have managed a team of engineers and had provided prompt fixes to issues found by our customers.

While being "Knowledge Transfer Prime", I have documented most of our expertise in the HLR development/support and successfully presented it to remote team of IBM India as a series of screencasts.

Tools: PLS, CVS, Protel, NortelSOS, UNIX, Linux.

- Nortel LinuxBase Project (CA)

The Nortel Linux Base is an integral part of Nortel Communication Server platform which is a server-based, full-featured IP PBX and supports unified messaging, customer contact center, IVR, wireless VoIP and IP phones.

I've been responsible for Linux Base server's components development and support.

Tools: Perl, Linux, ClearCase.

- Networks In Motion (USA)

NIM was a Californian startup company specializing in wireless navigation solutions for global positioning system-enabled mobile phones. In 2009 NIM was acquired by TeleCommunication Systems.

I have been responsible for support and development of NIM server's components: VZNav (http://en.wikipedia.org/wiki/VZ_Navigator), NBI (<http://news.vzw.com/news/2010/09/pr2010-09-20d.html>) and others.

I have successfully delivered Bing Geo API Integration feature.

Tools: Python, Linux, Perforce, SOAP, REST.

Education

University degree

Sep 1998 - Jun 2005

[Lobachevsky State University of Nizhny Novgorod \(unn.ru\)](http://www.unn.ru)

I have a university (5 years) degree in applied informatics which is alike of B.S. in C.S.

My university has H+ class in anabin.de database which means it could be easily evaluated.

Skills

Python



6+ years of professional experience, 10+ years of casual experience

Django



6+ years of professional experience, 10+ years of casual experience

Linux



15+ years of Linux usage, I have desktop usage experience, server setup and maintenance experience, some DevOps experience

Git



5+ years of professional experience

PostgreSQL/MySQL



10+ years of using PgSQL and Mysql, some SQL experience, some ORM usage experience

Docker



I have just started use Docker in all of my pet projects

MongoDB



I have just started use MongoDB in some of my pet projects

GoLang



I have just started use GoLang in some of my pet projects

US Work Authorization

As a permanent resident (green card holder), I am eligible to work for any employer in the US.