
PAVLO RODIN

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Profile

Over 20 years of experience in IT: multi-platform software and database development, embedded hardware integration, server and network administration, system integration, team leading and project management. Engineer with a deep understanding of business needs and strong analytical skills. Most recent experiences include: migration to AWS and implementing hybrid cloud solutions, implementing infrastructure as a code taking advantage of API driven infrastructure in a cloud and on-premise, disaster recovery solution for on-premise project in a cloud.

Easy learning and an open-minded technology enthusiast.

Experience

Project Manager/DBA, **One Planet Ops Inc.**

January 2017 - Present

Dnipro, Ukraine

- Evaluate and recommend technologies to architect highly performing, secure, and scalable systems.
- Lead collaboration on the scale and design of back-end infrastructure and solutions with internal teams.
- Develop efficient, reliable, and reusable code in alignment with best practices and internal standards.
- Optimise and push the boundaries of performance, quality, and responsiveness of applications and features in an agile environment. -Contribute to engineering practices, workflows, and processes across global cross-functional teams.

Leading a team of 17 engineers.

Writing terraform configurations for provisioning of resources on AWS for distributed teams across multiple continents. Post provisioning with pure shell scripting and Ansible. Scripting IaC disaster recovery solutions for automated provisioning and configuring in-house hosted projects on AWS in case of a failure within an acceptable timeframe.

CI/CD planning, testing and implementing using Jenkins/Bitbucket/Jira. Automated dev/test/staging environments provisioning, configuring, testing and destroying on AWS based on Jira workflows.

ELK stack planning and configuration for monitoring and troubleshooting dozen of servers on multiple projects including metrics and log. I was also scoping and overseeing the development of custom metric-sets for metric beat (Postgres DB index usage, Postgres SQL table sizes), custom indexes for automated unit/integration/SSL/webpage tests results storage and writing a custom alerting solution based on elastic search data.

Worked with a number of tools for marketing, A/B testing and user behaviour: VWO, Tealium, GA, MouseFlow, Amplitude; including complex simultaneous setups.

Moment of Truth 2017 company award winner.

DBA, One Planet Ops Inc.

October 2015 - December 2016

Dnipro, Ukraine

This is not an actual position change, just a company re-branding.

In addition to taking care of DB, worked as an architect and full-stack developer on a few reporting dashboards (Python + Javascript) to automate regular reports, data pull needs for business and marketing.

2016 Moment of Truth company's award finalist.

DBA, Reply! Inc.

March 2014 - October 2015

Dnipro, Ukraine

PostgreSQL Database Cluster administration serving high-load web site. Cross database MS SQL-PostgreSQL and PostgreSQL 9.2-PostgreSQL 8.2 data exchange.

Complex queries for business and finance reporting.

DB related support for Python developers.

DevOps and Full Stack Engineer, Eshroff LLC

June 2012 - September 2015

Dnipro, Ukraine

Custom CRM design and development, office virtualisation:

IT infrastructure analysis, real and virtual office structure planning and design, virtual office infrastructure based on Microsoft HyperV hosted on Hetzner DC; Active Directory, Ubuntu based mail server/firewalls administration;

System Architecture planning - data flow planning, business logic, workflow, UI, multilevel security;

MySQL database design and development with complex business logic and various financial reporting;

1C accounting software with MS SQL database storage direct access and integration;

cross DB engine (MS SQL/ MySQL), cross server/platform (Windows/Linux) data exchange and synchronization;
1C accounting software OLE integration with CRM;
banking software direct database access and synchronisation (MS Access, Firebird), automated exchange with banking software and CRM;
Web front-end (ExtJS) + backend (PHP+MySQL) design and development.

Co-founder, software architect and developer, DneprKievTrans LLC.

February 2013 - March 2014

Dnipro, Ukraine

Architecture and development fleet management with web-based user interface from a scratch:

system architecture development;

PostgreSQL database design, development, and administration;

reverse geocoding module based on OpenStreetMap project data design and development;

Web/GIS front-end (ExtJS/Leaflet) + backend (PHP+PgSQL/PostGIS) design and development;

combining GPS data with sensor fusion, heavy-duty vehicles data buses integration (CAN/J1939, J1708), cars data integration (OBD-2/CAN), additional sensors (LPG flow meters, Mod-bus) data integration, report building;
integration with customer's GIS data, custom report's building engine;

Restful API, direct customer's DB data exchange.

Co-founder and CTO, Sputnik-Avto Ltd.

July 2002 - February 2013

Dnipro, Ukraine

Fleet management system development from a scratch, responsible for almost all technological aspects of the business:

- initial hardware solution selection and procurement, working with suppliers;
- MS SQL database design, development and administration;

- combining GPS data with sensor fusion, heavy-duty vehicles data buses integration (CAN/J1939, J1708), cars data integration (OBD-2/CAN), report building;

- server load planning, live system migrations;

- leading and supervising of C++/Java full-time and free-lance developers;

- reverse geocoding module design based on ArcGIS Shape format map data;

- GIS data sourcing, format conversion, project integration;

- customer's databases exchange and integration;

- Web/GIS front-end version 1 (Javascript/Custom programmed map rendering tool) + backend (classic ASP, MS SQL) design and developers supervising;

- embedded GPS module hardware solution version 2 development supervising, unit testing;

- Web/GIS front-end version 2 (Javascript/Google Maps Javascript API/ Visicom maps API) + backend (PHP, MS SQL) design and developers supervising.

CIO, APO Blago LLC

July 2000 - June 2002

Dnipro, Ukraine

Responsible for infrastructure planning in fast-growing environment, contractors and engineering team.

DevOps Engineer, APO Blago LLC

July 1999 - June 2000

Dnipro, Ukraine

Responsible for all aspects of IT in the company:

- LAN design and assembly, in multiple offices across the city;
- PBX design and assembly;
- network, mail server, routers and security administration, Microsoft Active Directory;
- end-user support;
- working with suppliers and contractors.

Software Engineer, Concord LLC

January 1996 - July 1999

Dnipro, Ukraine

various projects and platforms

CGI specialist, General Import LLC

October 1995 - January 1996

Dnipro, Ukraine

worked as a graphics designer

Accounting Intern, COWPERWOOD Consulting Group

May 1994 - August 1995

Dnipro, Ukraine

Working as an Accounting Intern while studying Finance at Alfred Nobel University. Meanwhile taking care of the IT needs of the company: office PBX, network, computers.

Computer Lab Assistant, Institute of Geotechnical Mechanics of National Academy of Sciences of Ukraine

July 1993 - August 1993

Dnipro, Ukraine

2-month contract with Underground Coal Mining Technology Division during high school summer break.

Taking care of computer systems and software development using the Pascal language.

Computer's operator, Techma (Research and Production Association)

February 1991 - June 1993

Dnipro, Ukraine

Part time work while studying in high school. Taking care of PC's health, installing and updating OS and software. A person to go with any computer-related issues.

Education

Finance, General · Alfred Nobel University

1994 - 1996

Dnipro, Ukraine

Skills

Web development. Software development. DevOps. Software Architecture. System Integration. Project management.

References

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