Piotr Kowalski

Senior DevOps Engineer

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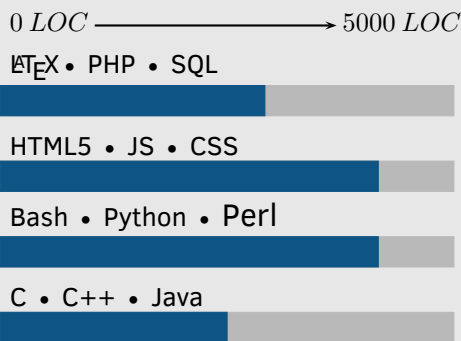- /in/pkowalski
- bitroniq

Skills

Overview

Programming

$0\ LOC \longrightarrow 5000\ LOC$

LaTeX • PHP • SQL

HTML5 • JS • CSS

Bash • Python • Perl

C • C++ • Java

Profile

i An IT professional with over 15 years of experience working in a variety of technology fields including Internet Technologies, Automation, Software Development Operations, Enterprise Storage, Clusters, Testing and Unix/Linux Administration.

🎓 A Master of Science Engineer in Electronics and Telecommunications, Digital Signal Processing from Wroclaw University of Science and Technology. Master Thesis: "Building and Testing a Cluster for Parallel Signals Processing".

🎓 Postgraduate in Project Management from Wroclaw School of Banking.

🏆 Award winner for the best website.

Professionally I have done work for a variety of major organizations including LG, SIEMENS, Sagemcom, Gigaset, Affinegy, KPN, CAT Thailand, France Telecom, Telkom South Africa, Orange Mauritius, VOCUS NZ, TwinLakes and GVTC.
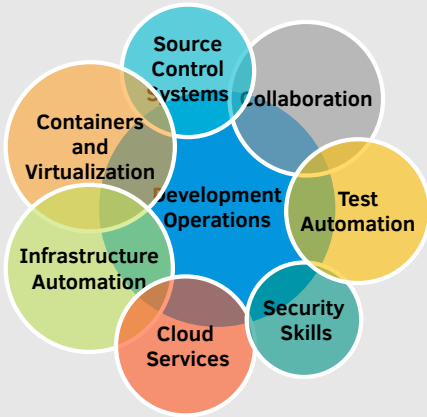
Education

2012 - 2013 **Project Management** (Postgraduate Diploma) Wroclaw School of Banking, Poland

2012 - 2012 **ISTQB Certified Tester** (Certificate No 9096) gasq, ISTQB

2010 - 2010 **Web Applications - Attacks and Their Prevention** (Course) niebezpiecznik.pl, Poland

2009 - 2009 **Red Hat Enterprise Linux Network and Security** (RH253 - Course and Exam) Compendium, Poland

2004 - 2006 **Cisco Certified Network Associate CCNA** (Course and Exam) Cisco Academy, Poland

2001 - 2006 **Master of Science (M.Sc.), Digital Signal Processing** Wrocław University of Science and Technology, Poland

2001 - 2006 **Engineer's Degree (Eng.), Electronics and Telecommunications** Wrocław University of Science and Technology, Poland

Experience

Oct 2018 - Present **DevOps Engineer** TECHLOQ, UK (Remotely)
- Linux servers administration
- Configuration management using Puppet and Ansible
- Networking and Hosts Troubleshooting
- Cooperation with developers
- Continuous Integration and Delivery based on: Jenkins and Bitbucket triggers, Foreman, OpenStack and Puppet (plus a lot of scripting)
- Build hosts provisioning and maintenance
- Production servers provisioning using MAAS
- Production servers monitoring using Zabbix

Oct 2018 - Present **DevOps Engineer** Coeus Cognoscenti Inc., USA (Remotely)
- Design and Implementation of CI/CD Pipeline for software build and deployment
- Ansible roles for AWS Infrastructure creation
- Ansible roles for Dockerized Jenkins deployment on AWS VPC (EC2 instances)

Overview

Source Control Systems · Collaboration · Development Operations · Test Automation · Containers and Virtualization · Infrastructure Automation · Cloud Services · Security Skills

Hard Skills

JAMstack (Jekyll) • LAMP • Wordpress

AWS • DigitalOcean • GCloud

Swarm • OpenStack • Kubernetes

Docker • LXD

Ansible • Puppet • Vagrant

Jenkins • GitLab Pipelines • Travis

GitHub • GitLab • BitBucket

Projects ———————

Open Source

Single System Image Cluster - Master Thesis: Parallel Signal Processing using the Single System Image Cluster

PiSensor - [GitHub] NodeJS server for the DS18B20 temperature sensors on the Raspberry Pi

Docker Wordpress-cli Sage - [GitHub] WordPress-cli Sage development environment based on Docker, composer, yarn, webpack and ssh

Traefik Compose - [GitHub] Docker Compose to setup Traefik ingress for web traffic load balancing and high availability

bitroniq.github.io - [GitHub] Jekyll theme based JAMstack page for personal site, blog, and portfolio

README template - [GitHub] Markdown template to use in projects, with semantic versioning, release history, dynamic badges etc.

May 2017 - Present — **Co-founder / CTO & DevOps - Travel Agency** SOLTIAGO, Wrocław, Poland

- Deployment and setup of the company's CRM
- Deployment and setup Software phone IP PBX (Private Branch Exchange) (IPBX / IP-PABX)
- Ansible - automated deployment and configuration for all services
- Integrate CRM with VoIP and mailtracking system
- Maintenance of company network and VPNs
- Cloud based backup system and synchronization
- Design and create company website
- Integrated accounting software with CRM

May 2012 - April 2017 — **DevOps & Senior System Test Engineer** AFFINEGY, TX,USA (Remotely)

- Design and implement the automated tests framework for Functional and Performance Tests of TR-069 Auto Configuration Server (broadband subscribers network)
- System deployment and maintenance
- Load and Stress tests
- System virtualization
- Maintenance of test environment (DSLAMs, PPPoE, PPPoA, DNS, DHCP)
- Technical responses related to system performance
- RedHat Linux performance specialist
- Integrating ACS with third party system monitoring applications
- Integrating ACS with OSS/BSS solutions

May 2012 - April 2017 — **Co-founder & CTO - Software House** BITSOFTLY, Wrocław, Poland

- Making sure the software house works perfectly
- Maintenance of the network and VPNs
- Maintenance of NAS and backups
- Company website
- Company emails

Jun 2010 - May 2012 — **System Test Engineer / Senior Software QA** SAGEMCOM, Wrocław, Poland

- Design and implement the automated tests framework for Functional and Performance Tests of Customer Activation Portal - activation platform for broadband services new subscribers.

Oct 2008 - Jun 2010 — **System Test Engineer / Senior Software QA** Gigaset, Wrocław, Poland

- Design and implement the Compute Cluster to simulate user's traffic for Load, Stress and Performance Tests of Service Oriented Platform.

Oct 2007 - Oct 2008 — **System Test Engineer at Broadband Division** SIEMENS, Wrocław, Poland

- Linux based server-side applications software tester with Oracle and PostgreSQL databases technology
- Load, Stress and Performance tests

Feb 2007 - Oct 2007 — **Senior Servers & Systems Administrator** LG CNS Europe, Wrocław, Poland

- Leader of Infra-Team - Reporting to IT Management and Headquarter in South Korea
- High Availability of Services and Apps for production line
- Hardware and OS monitoring including HP XP12000 Disk Arrays, Backup Tape Libraries, and servers
- Production and development servers OS monitoring and configuration
- Backups scheduling and maintenance
- SPOC (Single Point of Contact) for hardware and software Vendors (HP, IBM)
- Negotiating the support contracts with vendors
- Cooperation with supporting engineers, remote diagnosis etc.