



Serhij Symonenko

born: Sep 7 1981

nationality: Czech Republic

speaking languages: Czech,
Ukrainian, Russian, English

Education:

Lviv Polytechnic National
University, MSc in Computer
Science

speciality: Artificial Intelligence and Electrical Engineering
(confirmed in EU by Czech Technical University in Prague)

www.makeitwork.cz

Primary skills:

- Experience in IT/Electronics: since 1994
- Back-end developer (Python, Java, Rust, JavaScript, Linux advanced shell scripting)
- Framework developer (JavaScript)
- Virtualization engineer (VMWare VSphere, Citrix XenServer, Microsoft Hyper-V, KVM)
- HMI/SCADA developer/integrator (IEC 61131-3 ST/FBD/SFC)
- DevOps (Solaris, Linux)
- Network engineer (Cisco, HPE, QLogic, Mikrotik)
- Storage engineer (ZFS, BTRFS)
- Hardware engineer (PC hardware, industrial computing, common electrics/electronics)
- SQL developer (Oracle, MySQL, PostgreSQL)
- Microservices (Docker/Kubernetes)
- Cloud integrations (AWS/GCP)
- AI & Machine learning (Keras/Tensorflow)
- CI/CD pipelines design (Jenkins, GitLab)

Solutions:

- Project core design/architecture
- API (RESTful/JSON RPC/custom) and Framework development
- Load balancing/HA (Cisco, HAProxy, NGINX, custom solutions)
- Storage strategies for Big data
- Custom research tasks (own laboratory/outsource)
- Electrical engineering: grid design/support (up to 1000V)
- Industrial automation (CODESYS, EVA ICS, industrial hardware)
- CI/CD automation (Ansible/Git/Kubernetes etc.)
- Automated financial accounting: 1C Enterprise 8, Microsoft Excel VBA, own frameworks.

Experience

Sole trader (IT engineering) (Czech Republic)

Aug 2018 - Present

CTO/managing partner

Altertech Group (Czech Republic, Ukraine) www.altertech.com

February 2004 – Present

Virtualization engineer / DevOps

Positive Software Corp. (Ukraine) www.psoft.net (currently part of Parallels Intl. GmbH)

September 2001 – January 2004 (2 years 5 months)

Other: professional sound engineer