

# MAKSIM YU.SEMENOV

ENGINEER

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## Profile

Engage and deploy projects within short times and budgets. Progressively reconceptualize multifunctional "outside the box" thinking through inexpensive methods of empowerment. Deliver bricks-and-clicks strategic theme areas as well as scalable benefits.

## Skills

### Web Design



### DevOps



### Project Direction

Proven ability to lead and manage a wide variety of design and development projects in team and independent situations.

## Technical

HTML, CSS, JS, TS

PHP, SQL

Inkscape, Blender, GIMP

WSH, VBScript

DNS, DHCP, FTP, HTTP

Python

C++, C, Qt

PX4, MavLink, QGCS

Git

Linux, Windows [Azure]

VPN, Clouds

Polygon, D-Link, 3-Com

Cisco, Juniper, Huawei

MikroTik, Synology



## Experience

### LLC "Integrated Diagnostic Systems and Software Complexes"

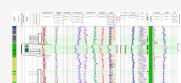
Software Engineer

1. Modules for editing system entities, such as users, roles, deposits, wells, components, tools, ...
2. PostgreSQL, Websocket'ы
3. IndexDB, FileSystem, other browser APIs...



2021->

Development of the interface part of the cloud oil and gas logging system.



### LLC "VARK"

Software Engineer

1. Frontend, Angular

- Development of the interface for the telemetry subsystem



2018-2020

- Creating a preflight check subsystem
- Connecting and configuring game controllers
- Development of payload configuration and management components
- Development of other components of the system ...

Development of subsystems of the interface part of the UAV control system (Ground Control System) and a cloud system for creating flight tasks, storing and analyzing flight data.

## "RAZUM" Construction Bureau-Laboratory

Head, Chief designer



2008-2017

1. Design

2. Small-scale production

3. Staff Training, including

- Implementing a Data Warehouse with Microsoft SQL Server
- Installation, Storage, and Compute with Windows Server

Computer aided design (2D, 3D, circuit design), household automation (IoT). Prepare input files for CNC machines. 3D modelling of buildings, offices and apartments. Computer networks design and implementation. IT consulting, WEB-design. Unmanned advertising blimps prodution.

The Bureau works closely with educational institutions and helps to prepare employees and students for solving of technical tasks. Is a regional strategic pillar of international social movement Initiative 2045 and takes part in organization and holding of scientific-popular lectures devoted to robotics and nbics technologies. Our employees are recognized for their contribution to the economic development of the region, WorldSkills championship. Repeatedly became winners of competitions of innovative forums Seliger, Ivolga, Engineers of the Future.

## Huawei Technologies Co., Ltd.

Network Management System Engineer



2006-2008

Participated in deployment of TransTeleCom international and long-distance call. Was responsible for Network Management System. The following stages formed my workflow from montage and software installation till acceptance tests:

1. IP-addresses planning

2. Transport protocols definition

3. Software installation

4. Software configuration

5. Software installation and configuration quality check

6. Correction of located shortcomings

7. Commission

Among the managed network equipment were varieties of Huawei and other vendors' active network equipment — softswitches, telephone stations, gateways, switches together with session border controllers, billing servers and so on. Able to install and setup all network elements in the sphere of interaction with network management system. Understanding of roles and ways of interaction of different parts of the whole telecom system from session establishing till disconnection and tariffication. Kept project documentation related to my responsibility zone through all project stages including technical specifications. Wrote of technical cases for TransTeleCom maintenance department. Worked out the behavior in emergency cases, backup and restore policy, periodic maintenance regulations. Negotiated work schedule.

## OJSC "BashComSnabBank"

Senior Network Administrator



2004-2005

Progressively implemented new systems and technologies to keep corporate IT services at high performance level to satisfy bank clients and personnel. Took part in adoption of Automated Bank System "Gefest" and adopted Money Transfer System "Contact".



Head of the IT Department

Ensured the reliability and optimal performance of the network. Brilliantly realized throughout the organization client-server technology. Introduced new approaches and techniques in technical support

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## Own projects

Handcrafting: netting (string bags)



### Education

**World Wide Famous Ufa State Aviation Technical University** — Ufa, Bashkortostan, Russia  
**Engineer**, Programming of computers and robots



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**Russian Academy of Justice** — Moscow, Russia  
Extension courses for IT departments chiefs



### Internet University of Information Technologies

Computation and Cluster System

Fundamentals of Parallel Computing

Introduction to parallel algorithms

Parallel Programming with OpenMP

The Basics of Parallel Programming Using MPI

Parallel programming using MPI Technologies

Parallel Programming Using OpenMP

Solaris administration



### R-Style Educational Centre — Moscow, Russia

Protection of computer systems and networks based on Dr.Web antiviral solution

**Specialist**, Windows file-servers Dr.Web antiviral protection, “Dr.Web Enterprise Suite”  
administration



### Solearn Portal



All diplomas and certificates



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