

## Backend Developer / Systems Administrator (Node.js, Production)

### Egor Rusakov

Backend Developer / Systems Administrator

📍 Open to relocation (Georgia)

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### Professional Summary

Backend Developer and Systems Administrator with **3+ years of commercial production experience**. Strong background in building and maintaining high-load backend services (up to 2,000 RPS), integrating legacy systems, and supporting mission-critical infrastructure with strict uptime requirements. Comfortable working at the intersection of backend development, DevOps, and system administration, with direct responsibility for production stability and business-critical services.

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### Key Achievements

- Developed and deployed a **high-load API (up to 2,000 RPS)** for integration between **1C (legacy ERP)** and **Mango-Office**.
  - Built a **production-ready video surveillance management system** (NestJS, React, WebRTC, RBAC, PTZ control, PDF reporting).
  - Designed and implemented a **laboratory photo-verification system compliant with industry standards** (ESP32 in C, Express backend, OCR with Tesseract, React dashboard).
  - Automated deployment pipelines using **Docker**, reducing deployment time by ~70%.
  - Implemented centralized monitoring and alerting, **reducing critical incidents by more than 3×**.
  - Maintained production infrastructure with **99.9% uptime SLA**.
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### Technical Skills

#### Backend Development

- Node.js, TypeScript, NestJS, Express.js
- REST APIs, microservices, WebSockets

- JWT, OAuth2 authentication
- High-load and asynchronous systems

### Databases & Messaging

- PostgreSQL, MongoDB, Redis
- RabbitMQ
- Data transformation and integration (JSON, SOAP)

### Systems Administration & DevOps

- Linux (CentOS, Ubuntu), Windows Server
- Docker, Docker Compose, basic Kubernetes concepts
- VMware, Hyper-V, KVM
- Nginx, Apache, IIS
- Monitoring: Zabbix, CheckMK
- Backup, disaster recovery, RAID
- CI/CD pipelines

### Networking & Infrastructure

- TCP/IP, DNS, DHCP
- Active Directory (users, GPO)
- Mail servers (Postfix, Dovecot)
- VoIP and access control systems (Asterisk, access control systems)



## Professional Experience

### Multisystem — Backend Developer / Systems Administrator

*August 2022 – Present*

#### Backend Development

- Designed and implemented backend services using **Node.js / NestJS**.
- Built scalable REST APIs and internal services for CRM and ERP integrations.
- Implemented authentication, authorization, and role-based access control.
- Developed high-load APIs supporting up to **2,000 requests per second**.

- Integrated external systems and legacy platforms (including SOAP-based systems).

### **Systems Administration / DevOps**

- Maintained and developed **production infrastructure** (Linux & Windows servers).
  - Administered **Active Directory**, DNS, DHCP, and mail servers (~200 users).
  - Implemented monitoring, alerting, and incident response processes.
  - Managed virtualization environments (VMware, Hyper-V, KVM).
  - Ensured backup, recovery, and infrastructure fault tolerance.
  - Worked directly with business stakeholders on critical production issues.
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### **Freelance / Contract Work — Programmer / System Administrator**

*April 2016 – August 2022*

- Delivered full-stack and backend solutions for small and medium businesses.
  - Configured Linux and Windows servers from scratch.
  - Developed backend services and admin panels.
  - Worked with JavaScript and C++.
  - Gained experience in security fundamentals and infrastructure management.
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### **Education**

#### **Moscow State College of Communications (MGOK)**

Programmer in Computer Systems (Technician-Programmer)

#### **IT-HUB**

Information Security and Protection Technologies

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### **Languages**

- Russian — Native
  - English — Upper-Intermediate (B2)
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### **Additional Information**

Commercial experience — 3+ years; earlier freelance and private practice alongside education. Used to working with production systems, business-critical services, and environments where downtime directly impacts revenue.