

Способы связаться

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Основные навыки

AWS Lambda
AWS CloudFormation
Amazon Kinesis

Languages

Русский (Native or Bilingual)
English (Professional Working)

Certifications

Security analysis of Web projects
ConsultantPlus| Prof Technologies
Effective sales

Kirill Belov

Principal Software Engineer | Startups Jedi | Blockchain, FinTech & Crypto Trading Enthusiast

Россия

Общие сведения

Engineering

Principal Software Development Engineer / Engineering Manager with practical experience in server-side development and DevOps. Strong background in high-load distributed architectures, backend development, and databases. Excellent problem-solving and learning skills, with experience leading and managing teams.

Startups

Loving to be in the middle of something new. Love to give birth and bring new products to the market. I know the importance of a flexible approach. Can maximize software development to business value conversion. Always stay positive and keep the team motivated—even when things go sideways.

Blockchain, FinTech & Crypto Trading

Passionate about blockchain technology, decentralized finance, and the evolving landscape of crypto trading. Hands-on experience with Solana and Ethereum ecosystems, including smart contracts development in Solidity. Built and launched the #BELOV meme-coin on Solana/Ethereum—for fun, learning, and exploration. Curious about market mechanics, tokenomics, and algorithmic trading. Always exploring how tech meets finance, from decentralized protocols to real-world trading strategies.

Опыт работы

MPAX

Principal Backend Engineer
февраля 2024 - Present (1 год 5 месяцев)
HONG KONG SAR, China

Daily Activities

- Backend development (services on Golang, PostgreSQL, MongoDB).

Architecture and legacy refactoring. REST API.

- Provided cross-functional technical support to Frontend, QA, and other team members.
- Bridged business and technical domains by analyzing product requirements and translating them into technical specifications.
- DevOps activity: AWS Cloud management. CI for all platforms. CloudFormation deploy. Cloudwatch monitoring and alerting.
- Managing and billing 3rd party services.
- Openapi and Jira documentation.

Project Activities

- Migrated critical services from DocumentDB to RDS, improving query performance and maintainability.
- Designed and implemented user location subsystem using PostGIS triangulation.
- Optimized websocket services, reducing latency and server load.
- Developed streaming order subsystem for real-time order processing.
- Built event-driven architecture using AWS Kinesis for scalable communication.
- Replaced AWS Lambda functions with microservices to reduce cold-start latency and improve modularity.
- Integrated OpenAPI code generation into development pipeline.
- Created a flexible scheduled task subsystem for background operations.
- Developed user notification subsystem with support for multiple channels.
- Integrated crypto payment provider for new payment options.
- Built Retool-based admin panel for internal operations.
- Implemented OAuth2 authorization support.
- Managed Telegram bots and mini-app integrations for enhanced user engagement.
- Integrated Lokalise for localization management.
- Integrated Amplitude for product analytics and user behavior tracking.

Management Activities

- Led regular meetings and collaborated with international English-speaking partners.
- Organized internal processes for team salary budgeting.
- Conducted technical interviews and evaluated candidates.
- Prepared and presented technical reports and analytics to business stakeholders.

Bitcoin

Blockchain, FinTech & Crypto Trading Projects and Research
января 2023 - Present (2 года 6 месяцев)

- Ethereum Smart Contract Development

Toolkit for compiling, deploying, and black-box testing Solidity contracts on Ethereum, fully automated using Golang. Integrates with Web3 API for seamless node interaction. Includes an ERC-20 token example with automated deployment, interaction, and testing.

- Solana Token Manager

CLI application for creating and managing Solana tokens via public APIs. Supports token minting, metadata management, and transfers. Designed for rapid prototyping and management of Solana assets, including meme coins and NFTs.

- Personal Crypto Token

Personal token adhering to Solana NFT standards. Demonstrates on-chain issuance, metadata embedding, and compatibility with blockchain explorers and wallets.

- Crypto Algo Trading Platform

Algorithmic trading system for crypto exchanges (initially Bybit), developed in Golang. Supports modular strategies, visualization, and near real-time trading with low latency. Implements advanced logic such as market regime detection, triangular profit locking, and custom risk models. Designed for fast iteration in volatile markets.

- Simple Quantum Computing

Emulator and library of quantum computing primitives in Golang. Provides basic quantum gates, state vectors, and quantum circuit simulation. Serves as a sandbox for exploring foundational quantum algorithms.

- Bitcoin Mining Speedup Research

Researched optimized strategies to accelerate discovery of the “Golden Nonce” for Bitcoin mining. Developed probabilistic and heuristic methods to improve efficiency over brute-force search.

- Blockchain Network Client-Server

Client-server system in Golang for packaging arbitrary data into blocks secured by proof-of-work per Bitcoin specs. Includes protocols for peer communication, block propagation, and data integrity validation.

Camplify

Information Technology Consultant

ноября 2022 - ноября 2024 (2 года 1 месяц)

Wickham, Western Australia, Australia

Project Activities

- Complete Backend platform migration

Daily Activities

- Various consulting and support

Dokll

Founder & CEO

апреля 2024 - октября 2024 (7 месяцев)

I founded and developed a fully functional platform for the generation and sale of AI-powered educational materials. The platform includes both the backend and frontend, and I was responsible for the entire development process, from ideation to launch. Key achievements include:

AI Integration: Implemented advanced AI models to generate high-quality educational content tailored to various topics and learning needs.

Payment Systems & Analytics: Integrated a payment system for smooth transactions and built analytics tools to track user engagement and sales performance.

Full-stack Development: Led both frontend and backend development, ensuring a seamless user experience and efficient server-side architecture.

Business Growth: Successfully scaled the platform to profitability by optimizing the user acquisition process, refining the product offering, and implementing efficient monetization strategies.

Operational Efficiency: Led the platform through the early growth phase, reaching break even and ensuring operational sustainability.

This experience has sharpened my skills in AI technology, full-stack development, business operations, and startup growth strategies. I continue to refine the platform while exploring new ways to scale it further.

PaulCamper

5 лет 9 месяцев

Backend Team Leader

января 2022 - февраля 2024 (2 года 2 месяца)

Berlin, Germany

Daily Activities

- People management
- Regular performance review
- SLA compliance control
- Code review
- People individual growing mentorship and control, development plans
- IT cost optimization
- Business tech support. Help with understanding, solution making.
- Documentation control and update.

Project Activities

- Raise Backend SLA to 99.8%
- Complete Backend team hiring participation

Senior Golang Development Engineer

июня 2018 - января 2022 (3 года 8 месяцев)

Berlin, Germany

Daily Activities

- Backend development and redevelopment (services on Golang).
- Technical support of other teams (Frontend, QA, etc.) and other backend team members.
- DevOps activity: VPS, Prometheus, Grafana, ELK stack, Ansible.
- Detailed code review, meetings, and pair programming sessions.
- Helping PMs and POs with tasks analyzing and formulation.
- Managing Heroku, Gitlab and other platform's services.
- Development in other languages (Python, BASH, PostgreSQL).
- Wiki, documentation.

Project

Activities

- Creating the data collecting system.

- Full refactoring of the booking calendar subsystem.
- Full refactoring of the pricing subsystem.
- Creating of the discount management subsystem.
- Creating a rating subsystem.
- Adding metrics collecting and dashboards to various services.
- Implementing scaling support for Backend.
- Heroku logs (drain) parser.
- Distributed caching system.

Nimses Inc.

Backend Software Development Engineer

апреля 2017 - мая 2018 (1 год 2 месяца)

Daily Activities

- Backend architecture creating.
- Backend development and redevelopment (microservices on Golang).
- Technical support of other team (frontend, qa etc.) and other backend team members.
- Helping PMs and POs with tasks analyzing and formulation.
- Managing GAE, AWS, Gitlab and other platform's services.
- Development on other languages (Python, BASH, PostgreSQL)
- Wiki, documentation and Grafana management.

Project Activities

- Go: development of backend on micro service architecture.
(Postgresql, Datastore, Redis, gRPC, AWS, GCP, RabbitMQ, Pubsub, Docker, K8s, CI (Gitlab, Jenkins).
- Go: transferring a part of microservices from PostgreSQL to GAE Datastore(NoSQL).
- Team development of high load distributed architecture for the project.
- Go: creating IP resolve system on Radix tree (0.003 ms per request).
- Python: creating of abuse content detection system. (Nymphy, Coffee, RabbitMQ).
- PostgreSQL + PostGIS: Microservice for handling and processing geospatial objects..
- Geolocation big data analytics service (Golang, GAE PubSub and BigQuery).
- Go: Creating a users face verification system (face ID) with integrating it into authorization architecture.

- Go: Geo oriented gRPC events streaming service on Redis Cluster and Pub/Sub model with strong multithreading.
- Go: project to integrate the company's micro services with CRM.

Self Employed

Software Development Engineer

апреля 2013 - сентября 2017 (4 года 6 месяцев)

Personal open source projects on GitHub

- Developed a neural network system of recognition of handwritten characters with C++ and QT.
- The system allows visualizing neuron memory and neuron learning process. It shows neurons learning process statistics.
- Created Android casual Tic-tac-toe game like a hobby project. The game supported self-learning mechanisms. Using SQLite as gaming strategies storage.
- Created simple Blockchain multi-threaded storage prototype on Golang as a part of a research. It has client-server architecture and raw sockets as a communication method.
- Conducted a research of Blockchain Nonce generating strategies based on two different approaches: brute force and random generation.
- Developed quantum computing primitives (simple quantum programming language abstraction on Golang) inspiring by Microsoft Q#.

Real-estate agency BETA-DOM

- Developed client-server automation CRM for real estate agency with C++ and MySQL as main RDBMS.
- Deployed new application on the company server.
- Creating automatic backup tasks.
- Installing application clients on workstations.
- Migrated existed client database into the new application.

Law firm Yurist39

- Developed web portal for local law firm using web-stack (PHP, HTML, MySQL and JS).
- Promoted web-site, did some SEO optimization

State public schools

- Developed an information kiosks automatic shell for few public schools using local WAMP stack.
- Installed it on school's terminals.
- Migrated existed school's document and data into new platform.
- Trained staff working with an application.

Transport and Logistic Terminal

Principal Information technology consultant and engineer
апреля 2011 - августа 2017 (6 лет 5 месяцев)

Construction Management System

- Automation of company's business processes project management.
- Developed company CRM system architecture.
- Developed a highly connected scheme of interaction between the departments.
- Analysis and description of the company's business processes.
- Integrating company web site into CRM.
- Planned project works. Kirill Belov

Daily Activities

- Developing and refactoring company's software products and services
- Service maintenance server park (HP Proliant Gen 3 -8)
- CCTV system maintenance and repair
- Programming and repair PBX (Panasonic KX-TDA200, PBX Unified Maintenance Console)
- User's technical support and trainings
- Maintenance banking clients software, key generation

Project Activities

- Lead an automation of business processes and creating company CRM system project. Planned project works, analyze data, help programmers.
- Developed and improved of the company's own internal software with Delphi and Firebird.
- Created a system for manage and generation of electronic keys FEA participants (eToken, RuToken, CryptoPro) for company branch "Protected crypto operations provider"
- Developed and managed corporate website with PHP and BitrixCMS.
- Developed an interactive information stand (hardware and shell) for company main office.

- Created a corporate IT environment with MS Server 2003-12, Usergate, Forefront TGM, MS SQL Server 2005-08, Apache, CMS's, Firebird, Kaspersky Security Center.
- Created a virtual server park with VMware ESXi, fault tolerance providing (hot spare) and backup (by scripts ghettoVCB), storage iSCSI with NETGEAR.
- Developed a CCTV system: installed and configured cameras (IP and analog), repaired video servers, video capture card, specialized software – DevLin.)
- Created and supported corporate LAN (optics, copper, Wi-Fi), active network equipment with HP, D-Link, ASUS, TRENDnet, TPLink.

System integrator

Technical solutions manager (corporate sector)

мая 2010 - апреля 2011 (1 год)

Daily Activities

- Primary document flow
- Procurement of equipment (B2B systems, direct purchases)

Project activities: Drafting of projects and technical specifications (server hardware (HP, IBM), storage

(HP), UPS (APC), shop equipment (Motorola), network equipment (HP, Cisco), access control,

software (Microsoft), SCS (Eurolan, Russian's brands), CCTV)

- Negotiating and full support of transactions with customers
- Project management: coordination of the activities of employed staff, organization and planning of the project team

Project Activities

- Creation of the entire IT infrastructure of the local branch of the Radisson hotel (As part the project team)

- Building of office equipment providing plan for large retail network

Accomplishments

- Attract few new big clients (Retail segment, State-owned companies)
- Increase total company profit by 16%

Trade point network

Senior specialist information technology and networking

мая 2008 - февраля 2010 (1 год 10 месяцев)

Daily Activities

- Commercial hardware: POS (Wincor Nixdorf), electronic digital scale (DIGI, CAS), data collection terminals (Symbol), thermal label printer (Datamax), barcode scanners (Metrologic, Magellan)
- Corporate CCTV: installation, repair and configuration of cameras, storage servers, capture card, specialized software (DVR, GOAL)
- Copiers: cartridges refill, repair varying degrees of complexity (thermal tape, thermocouples, mechanics, etc.)
- Workstations: PC repair (replacement of components, soldering, etc.), UPS, peripherals, software
- Server administering: MS 2003 Server (AD, DNS, DHCP, MySQL, services and policies, etc.) MS 2000-Server clearing bank payments UCS (United Card System)
- Technical support and user training: remote (telephone, RDP, RAdmin) and in the workplace

Project Activities

- Reorganization of server rooms in all stores of the local branch
- Design and creation of the store IT infrastructure

Accomplishments

- Optimized server rooms and made (with local managers) allocation of rooms for IT specialists in each store
- After the organization of server rooms the number of problem tickets declined by almost half
- Significant improvement of "relationship" between the IT department and the end users

Образование

Kaliningrad State Technical University

Master of Engineering - MEng, Industrial control systems (Computer science) · (2004 - 2009)