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Professional Summary

Results-driven **Senior Web3&Full-Stack/GitOps Engineer** with over 20 years of experience in software engineering, DevOps and system architecture across industries, including digital media, finance, and IoT, specializing in **Rust/Solidity** for **Solana/Ethereum**, **TypeScript** for **Node/Deno** BE and **React/Vue/Angular** FE, **Python** for **Django/Django/FastAPI** and **IaC**.
Skilled in designing and implementing robust architectures and scalable CI/CD pipelines, with a strong agile focus on big data, zero-party data collection, user-friendly frontends, and high-performance backends.
Experienced mentor in TypeScript, Python and Rust, architecture, SOLID and Agile/Kanban principles.

Professional Experience

Senior Full Stack Software Engineer *Ippen Digital Media GmbH*, *Munich*   *01.2021 - present*
Zero-Party Data Collection and Big Data Analysis Applications
- o   Architected and implemented a scalable elastic microservices-based backend and frontend system for the zero-party data collection platform from scratch including pipelines and deployments leveraging Rust/Warp, transitioned Django to FastAPI/SQLAlchemy and Node.js with Express/Sequelize to Fasify/Prisma; utilized ElasticSearch, S3, Apache Kafka, PostgreSQL, and Redis for optimized backend solutions.
- o   Designed and managed Kubernetes clusters on AWS ensuring high availability, security, and scalability.
- o   Developed CI/CD pipelines with GitLab CI/CD, Docker, and Kubernetes, automating application deployments optimised for agile workflow and monitored systems with Prometheus and Grafana.
- o   Integrated ArgoCD to streamline GitOps workflows, ensuring seamless application lifecycle management within Kanban.
- o   Built and optimized frontend applications using TypeScript with React, React Query, Next.js, Material UI; integrated preact/vite, Solid.js, TDD (jest, loki, cypress, playwright), and Redux with sagas for state management.

Senior Full Stack Software Engineer / DevOps Lexx Software Co. Ltd.*, *Malta*   *11.2018 - 01.2021*
Crypto-Trading Platform
- o   Architected a trading terminal managing thousands of cryptocurrency assets, ensuring high concurrency and resilience.
- o   Managed cloud infrastructure using Docker Swarm and Kubernetes, ensuring robust deployments.
- o   Automated workflows using Python and Bash, aligned with GitOps principles.
- o   Architected using Golang, Node.js, PostgreSQL, and Redis within Docker/Docker Swarm environments and sophisticated Telegram Bot APIs.
- o   Led frontend team with TypeScript and Angular (NgRx) transitioning to Vue.js/Nuxt.js and Vuex to Pinia for state management.

CTO *esaveRus Ltd.*, *Moscow*   *06.2016 - 10.2018*
IoT Street Lighting System Integration
- o   Integrated Swiss IoT street lighting management system into the Russian market, managing cross-functional teams for hardware/software integration.
- o   Created detailed technical documentation, streamlined deployment processes, and led team coordination.

Senior Full Stack Software Engineer Intaro Software*, *Moscow*   *09.2009 - 09.2015*
E-commerce and Fullstack Development
- o   Delivered full-fledged Symfony/Django projects, including sotmarket.ru, a top Russian e-commerce platform.
- o   Developed custom PostgreSQL ORM module, enhancing data retrieval speeds by over 70% for Symfony-based systems.
- o   Led backend development using ExtJS/Symfony for warehouse management and administered Debian Linux, FreeBSD systems.
- o   Maintained multiple CMS codebases, including Drupal, WordPress, Joomla, and Joostina.

Education

1. **Bachelor's Degree in Linguistics @** *Moscow State Linguistic University, Moscow*   *09.2012 - 11.2016*
2. **Master of Computer Science @** *MEPhI, Moscow*   *09.2003 - 11.2009*
   Moscow Engineering Physics Institute (National Research Nuclear University)
   Electronics and Automation of Physical Facilities (Mathematics, C++, Unix, Linux)

Skills

- **Languages**: German (native), English (native), Russian (native), Chinese (certified B1)
- **Tech Stack**: Rust with Warp/Rocket, TypeScript with Node.js/Express/Nest.js/fastify with Sequelize/Prisma/TypeORM,
  React (Solid.js, Redux, Zustand)/Angular (NgRx)/Vue.js (Vuex, Pinia), TDD (with jest, cypress, playwright), Python with FastAPI, Django, Apache Kafka, Redis, PostgreSQL, MySQL, ElasticSearch, S3, Firebase, Golang with Gin/Echo, PHP in Symfony/Laravel/Zend, bash**.
  Infrastructure as Code: **Crossplane, Terraform, AWS Lambda/CDK, and CloudFormation with Docker**.
  GitOps Tools: **ArgoCD, Flux**, and automated deployment strategies.
  CI/CD Expertise: **GitLab CI/CD, Jenkins, and GitLab/GitHub Actions**
  Kubernetes: Advanced cluster design, monitoring, and troubleshooting.
  Cloud Platforms: **Extensive experience with AWS, GCP, and Azure**.
  Monitoring: Hands-on with **Prometheus, Grafana,** and **ELK** Stack.