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I'm a full stack (predominantly backend) developer and a researcher with more than 8 years in software engineering. I created [Unison](#), [Nodes.js Backend Framework](#), [EHTML](#) and [many other things](#).

Skill Set (Tech Stack): JavaScript, TypeScript, Node.js, Express, Fastify, NestJS, NX: Smart Monorepos, React, Next.js, Java, Spring Boot, Hibernate, Python, FastApi, HTML, EHTML, Nodes.js, CSS, SVG, Web Components, UI/UX, Scilab, LaTeX, Git, PostgreSQL, MongoDB, MariaDB, Liquibase, Flyway, migrate-mongo (library), ORM, Redis, DI, GCP, AWS, Azure, Clickhouse, Grafana, Snowflake, Marble, n8n, Chat Bots, Docker, Kubernetes, Travis CI, Github Actions, OpenTelemetry, New Relic, GrayLog, REST APIs, Public APIs, Stripe (Payment System), Message Driven Architecture, Microservices, Test Containers, Junit, Test Mock Frameworks

Work Experience

Gemba (Remote, Tbilisi): Nov 2024 - Present. Senior Software Engineer and Technical Consultant.

- Implement and maintain payment services for internal and external banking operations
- Work with transaction processing systems such as Marble to ensure reliable and secure financial transactions
- Design and build workflow automations using n8n for operational efficiency and error reduction
- Integrate chat-based systems for internal support and customer communication workflows
- Develop and manage CI/CD pipelines to streamline deployment and reduce downtime
- Ensure system stability and scalability through testing, monitoring, and optimization of services
- Collaborate with cross-functional teams to align payment infrastructure with business requirements
- Troubleshoot and resolve issues in production environments involving payment

and automation systems

Congrify (Remote, Tbilisi): Feb 2024 - Oct 2024. Team Lead: Senior Software Development Engineer.

- Fixed critical issues in the AWS infrastructure.
- Created a monitoring system that detects anomalies and inconsistencies in transactions.
- Added numerous features related to data processing, including optimized workflows, enhanced data validation, and improved performance metrics.
- Reduced the cost of AWS Lambda functions **by 20%**.
- Enhanced concurrency in several legacy microservices.
- Redesigned the entire frontend of the application.
- Improved the performance, caching, error handling, and user experience (UX) of the entire React application.

FxPro (Cyprus, Limassol): Nov 2022 - Oct 2023. Senior Software Engineer.

- Managed infrastructure supporting over **60 microservices**, resulting in a **20% improvement** in system reliability and a **15% reduction** in downtime.
- Developed and implemented various microservices for authentication and configuring payment systems.
- Improved CI/CD processes, leading to a **25% reduction** in deployment time.
- Introduced New Relic in **25 services**, leading to the identification of numerous areas for enhancement and optimization.
- Engineered and implemented an Authentication Service seamlessly integrated with Azure Active Directory.
- Migrated Configuration Service for more than **20 different payment systems** in more than **50 countries** around the world.
- Added tutorials and manuals for internal usage for more than **40 services**.

Cognitran (Poland, Krakow): Sep 2021 - Oct 2022. Senior Software Engineer.

- Implemented offline mode functionality for **more than half** of the diagnostic tools' features.
- Implemented features resulting in a **15% improvement** in overall system performance.
- Deployed, managed and scaled AWS infrastructure components such as EC2 instances, S3 buckets, RDS databases, DynamoDB, AWS Lambdas, and VPCs.
- Created AWS monitoring solutions integrated with CloudWatch and CloudTrail to monitor resource utilization, track performance metrics, send alerts for different custom metrics, and troubleshoot issues.

- Managed some integrations with AWS using Terraform.
- Added documentation for more than **10 services**.

Alten (Poland, Krakow): Mar 2021 - Aug 2021. Senior Software Engineer.

- Participating in the design of integration solutions.
- Implementation of new software. Working with some Google Cloud Services, Kubernetes, and Container based Infrastructure.
- End to end responsibility for delivering product increments.
- Communication with Product Owner, SMEs and other IT departments as part of the Scrum Process.
- Testing and support of Business UAT. Preparation of comprehensive technical documentation (code review and code quality aspects) to support the completed application.

Huawei (Russia, Moscow): Jan 2020 - Mar 2021. Senior Software Engineer.

- Created automation for API migration and bug fixing in Java source code for more than **50 projects**
- Collaborated with open-source teams around the world to gather insights and ensure the effectiveness of the system. As part of this endeavor, I contributed to the development of essential libraries such as Broken XML and Rewrite Java Definitions.
- Reviewed and increased quality of dozen different projects by creating CI/CD pipelines and guidelines.
- Contributed to the development of DevOps tools, such as Artifactory alternatives, as part of open-source initiatives.

USMobile (Remote): Feb 2019 - Jan 2020. Senior Software Engineer.

- In my role, I held responsibility for devising technical solutions and developing a roadmap for replatforming our infrastructure from a standard technical stack to the robust Google Cloud Platform (GCP).
- Successfully helped to implement this migration, ensuring a seamless transition to leverage the advanced capabilities offered by GCP.
- Spearheaded the completed automation of report processing from third-party sources, leveraging a range of GCP services to optimize efficiency and enhance data processing capabilities.

Grid Dynamics: Dec 2015 - Jan 2019. From Intern Software Engineer to Senior Software Engineer.

Grid Dynamics: Google (Poland, Wroclaw).

- Had the privilege of working on an internal tool aimed at measuring the performance of programmers and providing effective management solutions.