Stanislav Gavrilov

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EXPERIENCE

Ubisoft   Montreal, Canada
Online Developer   *Sep 2019 - Present*

- Development and operations (**DevOps**) of **Cloud-Native backend RESTful web services** on **AWS** that **scale in the cloud** and that are **hit by millions of users every day** (hundreds of thousands of concurrent users per service). From **API Design, Implementation, Continuous Delivery** and **Maintenance** to **Support**.
  Working with multiple distant teams to achieve a common goal.
- **Reduced** legacy codebase **by 20%** by **migrating** old monolithic core service to run **in the cloud.**
- Built an internal tool about shadow-testing that reduced the number of production issues. (C#, Python) Experienced with **resource provisioning on AWS** using different techniques, including **Cloud Formation Template** and **Troposphere/Sceptre.**
- **Developed tooling** that **handles accounts** data migration from **MSSQL to AWS Aurora**, which **lead to saving** at least **30 minutes/day per team member.** (Python, Bash, AWS)

Contractor   Munich, Germany
Lead Software Engineer   *2018 - 2019*

- Development backend **RESTful web service** of a fitness class booking system in **Go**. **Took ownership** of a project shortly before the release and managed to **meet all the deadlines.** Experienced with **Docker**, and multiple **databases**, including **MongoDB (On Prem and DigitalOcean), PostgreSQL,** from the development and performance optimization to operations. Experienced with **payment** workflows **using Stripe** as well as client passport implementation. (Go, PostgresSQL, JavaScript)
- Experienced with **ethereum** blockchain network, **developing smart contracts** using **Solidity** for insurance policy contracts.
- ingly developed from scratch a full working **Go** based a **low latency/high throughput web-chat** on top of gorilla-WebSockets decorated with a **distributed cache layer** for **read heavy** parts. (Go, PostgreSQL, Redis)

AutoScout24   Munich, Germany
Senior Software Engineer   *Oct 2018 - Sep 2019*

- Development of backend **event-driven microservices** on top of **Scala, Akka and Kafka** and that are **hit by millions of users every day across Europe** (hundreds of thousands of concurrent users per service). Created **CI/CD** workflow utilizing **Python, Shell**, on top of **Jenkins.** (Scala, Bash, AWS, Kafka)
- Reduced legacy codebase by 30% by **migrating** old **monolithic** web service **to event-driven microservice** architecture on top of **Scala, Akka, and Kafka. Improved availability** by **introducing monitoring and alerting** solutions with **DataDog** and **OpsGenie.**
- Reduced amortization cost of AWS infrastructure by implementing a separate **Kafka processor** that is responsible for soft-cleanup of the orphan images. (Scala, Kafka, S3, DynamoDb)
- Implemented tooling that handles **AWS scenarios** (SSM parameters, assuming roles, etc.) which **lead to saving** at least an **hour/week** per **team member.** (Bash, Go, AWS)

Carl Zeiss Microscopy GmbH   Munich, Germany
Software Engineer B   *Apr 2017 - Sep 2018*

- Helped and onboarded new hires, created **short-term**, and **long-term** goals and supported them along the way
- Improved fail-safe by **fixing memory leaks** causing the **crash** of the software while trying to **import high-resolution snaps. Reduced time** needed to finalize an experiment **by introducing a digital signature** lead to **saving** time for **inter-department communication.**(Python, C#)
- Fixed more than **25 bugs over a year timeframe** while analyzing the Carl Zeiss image segmentation and reporting engine. **Migrated legacy** grain segmentation algorithm into the new modern technologies. (C++)

Congree Language Technologies GmbH   Karlsbad, Germany
Software Developer   *Apr 2014 - Mar 2017*

- **Achieved** at least **30% code quality improvement** by integrating a **static-code analyzer** with **SonarQube.**

- accomplished **scalability** and **fail-safe improvement** by implementing a thin **REST** layer on top of language-check service. **Improved performance** by at least **40%** by adding a **cache layer for read-heavy** parts of the system.(Java, C#)
- **peed up** document check by **15 %** by implementing a **new Congree API** and migrating all the existing editor-plugins to it. (Java, C#, C++)
- Developed **robust tooling** that **handles many test scenarios** & enables automated deployment in test env, reducing time-to-test **from weeks to days** (JavaScript, Java, Vmware vSphere).
- Reduced deployment time by almost **80%** by implementing a **distributed deployment system**, leading to saving **30% of time** spent by solution specialists on the customer side. (JavaScript, C#)

Andera, Inc.   Providence, RI, USA
Software Developer - remotely from Russia   *Jun 2011 - May 2013*

- Bulk rates processing and import tool from CSV to Oracle and provides command interface on top for scheduling data processing. Also created a strategy for saving rates history to FTP and SFTP servers. (C#)
- Web application used by online account opening system for financial institutions.Involved in features such as delivery time optimization, tracking, queuing, and testing. Designed and implemented an overview dashboard for the multi-branch financial institutions. (JavaScript)

EDUCATION

Tomsk Polytechnic University
Master of Science in Computer Science

Tomsk Polytechnic University
Bachelor of Science in Computer Science

SIDE PROJECTS

- gochat (in progress)   Golang based web-chat on top of gorilla-websockets decorated with a cache layer (Go, Redis, PostgresSQL, gRPC)