Andrei Kurilo

Senior Software Engineer

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PROFILE

Experienced **Senior Software Engineer** with over a decade of expertise in designing and developing scalable, high-performance applications. Strong hands-on experience in **full-stack development, cloud computing, DevOps, AI, ML and security**. Passionate about building robust, maintainable solutions and mentoring engineering teams to follow best practices. Skilled in **.NET, Java, Python, and cloud platforms (AWS, Azure, GCP)** with a deep understanding of **CI/CD, microservices architecture, and system optimization**.

PROFESSIONAL EXPERIENCE

Senior Software Developer

SkyPin UG | Jan 2024 – Present

- Developed and maintained **scalable backend services** in **.NET Core, Java** ensuring optimal performance and security.
- Designed and implemented **microservices architecture**, improving maintainability and deployment efficiency.
- Led **code reviews, unit testing, and CI/CD pipelines** to enhance software reliability and team productivity.
- Collaborated with cross-functional teams to **analyze business requirements** and deliver high-quality solutions.
- Brought **unit testing** and **integration testing** policies to the company. Reduced number of bugs on production by **50%**

CTO, Solution Architect

Digital Skynet Corp, GA (Remote) | Feb 2014 – Jan 2024

- Architected and implemented multiple software solutions using **.NET Core, Python, Java, and cloud technologies (AWS, Azure)**.
- Designed and optimized **high-load distributed systems**, improving efficiency by **40%**.
- Managed and mentored teams of 40**+ engineers**, ensuring adherence to best coding practices and system scalability.
- Integrated **security measures** to protect software and data from vulnerabilities and cyber threats.
- Led the transition from monolithic applications to **microservices**, improving scalability and deployment flexibility.
- Reduced **costs of cloud accounts** for customers **by 15-40%**

Software Engineer

Inostudio Solutions LLC, – Russia | Mar 2012 – Feb 2014

- Developed and optimized **enterprise applications** in .NET and Java.
- Worked closely with UX designers and product managers to improve user experience.
- Maintained **database performance tuning** and query optimization for PostgreSQL.

EDUCATION

Master Degree, Computer Scince, Mathematics

Southern Federal University of Russia
May 2014

KEY SKILLS

Programming Languages:
- C#
- Java
- Python
- Typescript
- SQL

Frameworks & Libraries:
- .NET Core
- ASP.NET
- Entity Framework
- Hibernate
- Angular
- React
- Next

Cloud & DevOps
- AWS
- Azure
- GCP
- Docker
- Kubernetes
- Ansible
- Terraform
- CI/CD

Databases:
- PostgreSQL
- MS SQL
- Mongo DB
- Redis
- MySQL

Languages:
- English - Full professional proficiency
- German- Elementary proficiency
- Russian - Native