



SVILEN IVANOV

svilen.ivanov (at) Google's free email service
<https://www.linkedin.com/in/svilenivanov/>
<https://svilen-ivanov.dev>

SUMMARY

Multidisciplinary software engineer, passionate about everything that involves 1's and 0's.

In-depth knowledge of algorithms and data structures. Object-oriented and functional design. Agile and test-driven development. Continuous integration. Automation. Cloud and bare-metal. Security and performance consciousness. Scaling services to millions of transactions.

EXPERIENCE

Hyperscience <https://hyperscience.com> Dec 2020 – Feb 2021 (3m)
Staff Software Engineer Sofia, Bulgaria

Hyperscience attracted me with their state-of-the-art ML platform for document processing. It allowed me to shift gears and explore a different kind of product and techstack (Django / Python).



Smule, Inc <https://smule.com> May 2012 – Dec 2020 (8y)
Software Architect Sofia, Bulgaria

I joined the medium-sized (back then) music startup to scale company's web and backend services from initial proof of concept to **50M monthly active users**. I was very attracted to the opportunity to work in such unprecedented (for my career) scale. Their unique statement to "connect the world through music" resonated (pun intended) with my avid appreciation of music as a consumer.

Key involvement in:

- transitioning server-side stack from Ruby On Rails to Java/Play framework to gain performance, stability and lower the hosting fees.
- rebuilding in-app consumables' storefront for improved maintainability
- direct (B2C) subscription and payment processing using bank cards and mobile (SMS) payments
- in-house analytics platform used daily by C-level executives and multiple divisions (marketing, product, QA, engineering)
- tooling for the community to create karaoke songs in the company's flagship product (**Sing! Karaoke, now Smule**), enabling rapid growth in emerging markets in Asia, surpassing Western countries.
- automation of royalty fee calculations for millions of songs, enabling bulk licensing deals
- leading the web team through multiple iterations of the company's website to showcase and expose community-generated content

TECHNICAL SKILLS

Languages

Java 8+ Kotlin Ruby
 JavaScript Typescript
 Python Scala

JVM Ecosystem

Gradle Guice Dagger
 sbt Kotlin Coroutines

Server Frameworks

Play (Java / Scala)
 Armeria Django
 Ruby on Rails

Persistence

MySQL Redis Kafka
 Postgres Elasticsearch
 Vertica Snowflake

Frontend

React WebPack
 AngularJS SCSS

Infrastructure

Ansible Docker
 Terraform Jenkins

EDUCATION

Technical University

1997 – 2002
 Sofia, Bulgaria
 Master's degree in information technologies

- Java build and development process optimizations – dockerizing build and test environments, migration to sbt, employing hot-swap with class redefinition
- building architecture and leading the implementation from ground up of an in-house CRM system
- participating in on-call schedule – dedication to keep the system running 24/7
- a go-to person for debugging and tracing production issues
- integration with 3rd party services: Stripe, Fortumo, Google, Apple, Socketlabs
- creating internal technical documentation and improving the existing one
- conducting interviews and mentoring less experienced engineers
- working fully remotely for 7 years



Sirma Solutions <http://sirmasolutions.com> 2006 – 2012 (6y)
Project Lead Engineer Sofia, Bulgaria

I wanted to keep up-to-date my skills as an engineer, so I decided to pivot my carrier from Perl/Javascript to Java. I joined Sirma as junior Java engineer and rapidly progressed to Project Lead Engineer.

I became part of a small team working for a US-based company *RecoveryPlanner* which was tasked to build version 2 of their SaaS platform.

RecoveryPlanner is online [business continuity system](#) that allows corporations to create disaster recovery plans and execute them in case of emergency.

Key involvement in:

- building the core functionality of the application
- the design and refactoring of data persistence layer
- development of sophisticated permission's model
- integration with voice and SMS notification services
- implementation of scalable and high performance email notification subsystem
- optimization and performance analysis
- porting the application from Tomcat/MySQL to WebSphere/Oracle stack
- building web services and single sign-on (SAML/ADFS)
- launching in production
- highly available, globally distributed installation in 4 geographic locations with real-time replication
- implementation of "single click" deployment and update system integrated with continuous integration system



Nectlime, Inc (now part of Deluxe Corp.) 2001 – 2006 (5y)
Senior Web Applications Developer Sofia, Bulgaria

PRESENTATIONS AND TEACHING

Svilen Talks About Programming

Youtube Channel 2021
 Educational (in Bulgarian)
https://youtu.be/_guMZQZzkUE

Service Reliability Engineering - Failures are Always an Option

Sofia, Bulgaria 2018
 HackConf (in English)
<https://www.youtube.com/watch?v=Xh6g0aXYLzg>

What can you do with Redis?

Varna, Bulgaria 2013
 VarnaConf conference
<https://www.youtube.com/watch?v=S6h38jvQOSU>

Software development with EJB3

Rousse, Bulgaria 2009 – 2012
 Teaching master course at Technical University "Angel Kunchev"

Ruthless testing with Selenium

Sofia, Bulgaria 2007
 OpenFest 2007 conference
<https://www.youtube.com/watch?v=Qs5sJB9IvrM>

AJAX - desktop application experience inside a browser

Sofia, Bulgaria Jun 2006
 WebTech 2006 conference
<https://www.youtube.com/watch?v=xDJPtop1cm0>

Paravirtualization with Xen

Sofia, Bulgaria Jul 2005
 Linux-BG Conference
<http://conf.linux-bg.org/?cat=10>

While still at the university, I wanted to expand my skills and work in a larger (more than 1 person) team. I was impressed by the company's portfolio which was featured in a paperback magazine. I rapidly explored and mastered new and exciting areas: dynamic websites, frontend development and AJAX paradigm

Key involvement in:

- *CA AppLogic Grid Operating System, UI and AJAX Developer, 2005 – 2006*
Grid operating system for scalable web applications and services. Responsible for building interactive web interface of the product.
- *SiteKreator, Senior Backend Developer, 2003 – 2006*
Content management system for websites. Responsible for several core components



Otel.Net Internet Service Provider 1999 – 2001 (2y)
Web developer Sofia, Bulgaria

I was very excited because this was my first, real job while studying at the university. I created and maintained company's website and built small dynamic websites for the company's clients. Web integration of dial-up authentication system

OTHER SKILLS

- Fluent in English
- Attention to detail
- Always eager to learn and to share knowledge
- "Smart and Gets things done" attitude



ENDORSEMENTS

Svilen is the best engineer I had the honor and pleasure working with in my career. He is super dependable and talented to get projects done at highest quality. Super proactive, you never need to remind him of anything. Svilen has excellent expertise in web and server fields. He is truly a 10x engineer!

— Alex Li, Founder / CEO at Kubit, ex-Smule CEO
February 5, 2019
Alex managed Svilen directly at Smule, Inc

Svilen sets an example of a highly productive engineer, working remotely, and I didn't run into anyone else who combines such deep knowledge, collaboration, follow through, and impacts. Svilen worked in multiple teams when the needs came and also helped build new teams. Absolute treasure to have Svilen on the team, and highly recommend him to anyone who aims at engineering efficiency at either individual or team level.

— Alan Shang, SVP of Engineering at ELSA, Corp, ex-Smule SVP of Engineering
April 24, 2020
Alan managed Svilen directly at Smule, Inc

In our nearly five years of working together, Svilen impressed me again and again. We worked on other sides of the planet, but Svilen made it feel like we were in the same office – he communicates clearly, solves complex problems creatively, and follows through. He routinely demonstrates strong commitment and team leadership while simultaneously making space for and mentoring more junior members of the team. Svilen was a pleasure to work with, and I'd recommend him to anyone – near or far!

— Dean Schaffer, Product Manager at YouTube
March 13, 2020
Svilen worked with Dean in the same group at Smule