

Spyros Giannakakis

MSc Computer Science, ETH Zurich

spyros.giannakakis@gmail.com · Stauffacherstr. 225, 8004 Zurich/Switzerland · +41767074608

[LinkedIn](#), [GitHub](#), [Medium](#)

Professional Experience

Chief Technology Officer, doodle.com

Switzerland · Feb. '16 — Nov. '17

Taking over the CTO position first ad interim and then permanently, I focused initially on recruiting and processes to scale the engineering team and later on architecture, site reliability and overall technical leadership.

- *Architecture*: pushed the move to the AWS cloud with containers and RESTful microservices, advocated opening up Doodle's API (during HackZurich, Europe's biggest hackathon).
- *Site reliability*: ensured high availability/scalability of the service (over 99.99%) during the complete redesign of Doodle's website and while serving thousands of requests per second. Co-investigated and resolved replication issues across distributed datacenters, synchronous execution bottlenecks (using jstack/jmap) and responded to security incidents & DDoS attacks (using Bash/Puppet, New Relic, Google Analytics).
- *Technical leadership*: aligned cross functional teams and mentored developers through workshops, code reviews, technical documentation and best practices for security, authentication, concurrency etc.
- *Technical product management*: responsible for the platform and backend roadmaps, I introduced Scrum in the DevOps team and participated in the agile process with estimations, maintaining release notes etc.

Experienced also in managing small teams, working across distributed locations and representing engineering.

Software Engineer, doodle.com

Switzerland · Sep. '13 — Jan. '16

Full stack engineer, scrum-master.

- Co-designed and implemented Doodle's new API.
- Worked on the migration from MySQL to MongoDB and introducing SCSS.
- Set-up and maintained Doodle's dev documentation, helped in recruiting/onboarding of new engineers.

Software Engineer, Dacuda (now Magic Leap)

Switzerland · Dec. '12 — Jul. '13

Worked on a dashboard for business metrics (using CouchDb, Python) and a prototype for the European IoT project.

Research Assistant, Systems Group, ETH Zurich

Switzerland · Nov. '12 — Feb. '13

Investigation of throughput and overall scaling of MySQL and PostgreSQL in Xen virtual environments.

Education

MSc in Computer Science, ETH Zurich

Switzerland · Sep. '10 — Oct. '12

Focus on security and systems.

BSc & MSc in Electrical & Computer Engineering, NTU Athens

Greece · Sep. '04 — Oct. '09

Focus on computer networks and telecommunications.

Further education with Coursera and side projects from 2013 till now (i.e. Machine learning, Algorithms, Python).

Skills

Back-end & databases	Java, NodeJS, Python, MongoDB
Front-end & UX	HTML, (S)CSS, JavaScript (Backbone, React)
DevOps	Bash, build tools (Gradle, npm), monitoring/profiling (New Relic, jstack/jmap), Docker, Kubernetes (WIP), CI/CD (Travis, Jenkins)
Misc tools	Git, testing (JUnit, Jasmine), cloud IaaS/PaaS (AWS, Google Cloud, Heroku), data analytics (ELK, Google Analytics)
"Other" languages	Greek and German

Activities

Board member of student associations in Athens and Zurich.

Sports Board related (snowboard/wake/kite/surf), tennis, beach volleyball.

Music Playing drums with various bands in concerts and recordings.