Sankarganesh Eswaran

Senior Software Engineer, idealo internet GmbH, Berlin, Germany

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- Decade of intensive full-stack software development experience

- Read about my recent work in performance tuning:

  https://medium.com/idealo-tech-blog/advanced-mongodb-performance-tuning-2ddcd01a27d2

- Designed several high scaling, non-blocking microservice apps in java/Spring world

- Intensive work experience in developing cloud native, distributed micro services with modern tools like MongoDB, kafka streams, kafka connect, kubernetes, aws

- Extensively worked on distributed systems, scaling & performance tuning, GC optimization, I/O optimization, memory leak fixing and sql query optimizations

- Strong knowledge in linux, java ecosystem with extensive experience with Spring, no-sql & JPA and programming design patterns

- Good experience in TDD, BDD with cucumber, robot, junit 5

- Strong believer in KISS principle, loves fast paced, challenging environment

- Some of my projects: https://github.com/sankarge/Match, https://github.com/sankarge/ShopApp

- After all, there are no real web or cloud but just the semi conductors and wires :-P

Technical Expertise

Core skills:	java 11, python, bash
Modern tools	kafka streams, kafka connect, kubernetes, aws, GCP
Frameworks:	Spring ecosystem: boot, data, cloud, kafka
Database:	MongoDB, MariaDB, MySQL
Web Technologies:	JavaScript, HTML & CSS, servlets, JSP
Web Frameworks:	Swagger, ReactJS, Wicket, jQuery, Prototype, Ajax

Technical Expertise

Test Automation:	Robot framework, Cucumber, JUnit 5
Ops:	Terraform, Ansible, Puppet
Observation:	Prometheus, ELK, Grafana, Istio
CI/CD:	AWS, Jenkins2, Argo CD

Employment Details

Working as a **Senior Software Consultant** in **Unite, Berlin** [Sep 2021 - Present]

Worked as a **Senior Software Engineer** at **Idealo, Berlin,** 2 Years [Sep 2019 - Aug 2021]

Worked as **Technical Specialist** at **Nokia [Alcatel-Lucent],India,** 5 Years [Oct 2014- Aug 2019]

Worked as **Software Engineer** at **Dhyan Networks, India,** 3 Years [Oct 2011 - Sep 2014]

Education

B. Tech-IT (2007-2011)**,** Maharaja Prithvi Engineering College, Coimbatore **-** 85%

HSSC (12th), I.T.O.Hr.Sec.School (2005-2007) - 86%

SSLC (10th), I.T.O. Hr.Sec.School (2005) - 93%

Project Experience Summary

Project 7: Senior software engineer, Idealo (idealo.de), Berlin, Germany

Being part of the leading German e-commerce online shopping platforms is all new, all fun and challenging. I had an opportunity to work with all modern tools including java 11, MongoDB, Kafka, aws, Rancher, OpenShift, reactive programming, kotlin, spring cloud, spring data, Prometheus, Grafana, Elastic search, Kibana. I've been exposed to a lot of e-commerce things like user tracking, A/B testing, SEO, SEM etc. Interesting part was keeping the system 24/7 live while constantly updating the website through fully automated build pipelines. Our current vision is to migrate most of our platform to AWS.

Nokia [Alcatel-Lucent], Chennai, India

Project 6: Dev lead, Analytics AI

Developing a new analytics application from scratch on top existing platforms in a microservice era is full of fun and challenges and all learning stuff. Especially it requires to unlearn and relearn many of the known stuff against distributed systems starting from multiple code repos, CI/CD, logging, monitoring, security to deploying into docker-kubernetes world.

Project 5: **Architect - DevOps team,** Nov 2017 – March 2018
Migrating a 12 years old java based platform into a new DevOps CI based platform had a lot of fun and needed painstaking technical skills from dockerizing, shell commands, python, groovy, robot scripts etc. Especially it involves merging multiple GIT repo into one, groovy script adaptation from the scratch, and much more. I've led the team of two senior software engineers and successfully accomplished this goal.

Project 4
Product: [Network Analyzer](#) – Copper & Fiber, Oct 2014 to Oct 2017
Client: **Vodafone, KPN, NBN, Orange, Telnor, Bytel, STC, 100+ around globe**
Domain: Telecom Networking, EMS/NMS
Duration: to till date.

Designing features on top of micro services platforms gave me an opportunity to write software modules with high performance in large scales with auto scaling. Apart from designing, end-end feature development, fixing the scalability issues & performance tuning were the other fun things I did. I have been part of the Antwerp development center, Belgium, for a few months.

Dhyan Networks, Chennai, India

Project 3
Product: Verizon Management Systems (VMS), Oct 2013 to Sep 2014
Client: **Verizon Data Services**.
Domain: Telecom Networking, EMS/NMS

Developed features like LDAP, IWA, Cluster (Master Slave, Load balancer), and GR Cluster

Project 2
Product: EM (Element Manager), March 2012 to Oct 2013
Client: **Echelon Corporation**.
Domain: Telecom Networking, EMS/NMS

I have been part of a Management System called Element Manager which is capable of managing Millions of devices. Features like Performance monitoring; Discovery, Accounting, managing SOAP based web services etc were so challenging one which gave me the most valuable learning curve in my career.

Project 1
Product: NetMan – DNMS, November 2011 to February 2012
Domain: Telecom Networking, EMS/NMS

After the training process, I was deployed in the NetMan project, which is the core product of Dhyan, which is well known for its EMS/NMS based FCAPS solution in the market which gave me a wide range of opportunities to mold myself to be a better professional.