

# Jaikrishnan Jaisankar

R & D ENGINEER ·

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“BREAK. LEARN. EXPLORE. CREATE. INNOVATE. EVOLVE. ITERATE.”

## Summary

Current Software Architect at start-up company Omnious. 7+ years experience specializing in the backend development, infrastructure automation, and computer hacking/security. Super nerd who loves Vim, Linux and OS X and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

## Work Experience

### SunMobility Pvt Limited

Bengaluru, India

R & D ENGINEER

Sep. 2017 - PRESENT

- Provisioned an easily managable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

## Honors & Awards

### INTERNATIONAL

2016 **Fully Funded Internship by DAAD-Germany**, at Bosch and ABB

Germany

### DOMESTIC

2015 **Winner**, NASSCOM STARTUP 20-20 2015

India

2016 **Student Partner**, Microsoft

Kerala, India

2016 **Campus Ambassador**, Dell

Kerala, India

## Presentation

### DevFest Seoul by Google Developer Group Korea

Seoul, S.Korea

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

Nov. 2017

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

### 6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

## Writing

### A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

## Education

- CTO , Startup Incubator funded my KSUM
- Active IEEE member
- Did project on Retrofitting Antilock braking system on e-bikes without ABS
- Internship at Keltron India and Bosch Germany

## Extracurricular Activity

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### **PoApper (Developers' Network of POSTECH)**

*Pohang, S.Korea*

CORE MEMBER & PRESIDENT AT 2013

*Jun. 2010 - Jun. 2017*

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

### **PLUS (Laboratory for UNIX Security in POSTECH)**

*Pohang, S.Korea*

MEMBER

*Sep. 2010 - Oct. 2011*

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.