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

MG University(Adi Shankara Institute of Engineering and Technology)   *Kerala, India*
B.Tech in Electronics and Communication Engineering   *May. 2013 - Jul. 2017*

- 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

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.