

# Vasantha Ganesh Kannappan

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## EDUCATION

### AMRITA SCHOOL OF ENGINEERING

B.TECH IN COMPUTER SCIENCE  
2014-2018 | Coimbatore, 641112  
CGPA: 8.09 / 10.0

## LINKS

GitLab:// [vasanthaganeshk](#)  
GitHub:// [vasanthaganeshk](#)  
StackOverflow:// [vasantha-ganesh-k](#)  
CodeForces:// [vasanthaganesh](#)

## AREAS OF INTEREST

- Compilers / Language Design
- Functional Programming
- Data Structures and Algorithms

## SKILLS

### LANGUAGES AND TECHNOLOGIES

Python • Golang • Haskell  
Bash • Docker • Ansible  
Kubernetes • Helm Charts • CI/CD  
SQL (Postgres) • ELK • Git  
Make • Guile (Scheme, Lisp) • Elisp  
Java • C • C++

## WORK EXPERIENCE

### SOROCO INDIA, SOFTWARE ENGINEER, 2018 - CURRENT, BANGALORE | PYTHON3 | GOLANG | DOCKER | ANSIBLE | KUBERNETES | MAKE

- Automated the work of 6 FTEs for an insurance firm
- Maintained the end to end of a Golang microservice responsible for customer facing statistics dashboard
- Worked on a POC for deployment of entire infra with Kubernetes (Amazon EKS) and Helm Charts
- Built a Monitoring system for monitoring the health of all the deployed Microservices and the server
- Worked on debugging issues on Linux server, new deployments and upgrades
- Gave an Org wide Tech talk about why everyone should learn Emacs

## INTERNSHIP

### HASKELL SUMMER OF CODE - 2017, REMOTE | ELISP | EMACS | TRAVIS-CI | APPVEYOR-CI | MAKE | TEXINFO

`haskell-mode` | Interactive editing features such as auto-completion, jump to function definition, display type signature of function at point etc. in Emacs for Haskellers | Contributor

## SELECTED PROJECTS

**ORANGE VIRTUAL MACHINE** | JAVA, JAVASSIST, REFLECTION API  
Implementation of Java Virtual Machine (subset of JVM's byte-codes) as a Stack Machine | Author

**PHOENIX** | PYTHON2, LIBSECCOMP, PYTHON-PRCTL, DOCKER  
Design and implementation of game engine and game for BitJitsu (AI-Challenge at Amrita School of Engineering) | Co-Author

## FOSS CONTRIBUTIONS

**KAWA** | JAVA, SCHEME(KAWA), AUTOTOOLS, GITLAB-CI  
Sent a pull request for using the GitLab's CI, compiler flag to use strict types | Contributor

### VALGRIND | C

CD-ROM related IOCTLS were unhandled, patch was accepted | Contributor

## CONFERENCES

- FunctionalConf Bangalore | 2016, 2018
- PyCon Bangalore | 2015

## MISCELLANEOUS

• **Competitive Programmer:** participated in contests from CodeForces, HackerEarth, CodeChef, Google Code Jam, Facebook hacker cup