

Pavan Nagathihalli Shankarappa

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EDUCATION

Syracuse University, Syracuse, NY

Master of Science in Computer Science

Aug 2017 - May 2019

GPA: 3.5

Visvesvaraya Technological University, Belgaum, India

Bachelor of Engineering in Computer Science and Engineering

Sept 2009 - June 2013

TECHNICAL SKILLS

Languages: Java, JavaScript, Go, Python, Kotlin
Web Technologies: HTML5, XML, CSS3, Bootstrap, Node.js, AngularJS, Spring Boot
Database: MySQL, PostgreSQL, MongoDB, SQLite
Cloud Technologies: Heroku, Amazon Web Services (EC2, S3)
Tools: Git, Maven, SVN, SoapUI, XMLSpy, Clusters (VCS, HACS)

WORK EXPERIENCE

MediTechSafe Inc., Cincinnati, OH | *Full Stack Developer Intern*

May 2018 - Aug 2018

- Developed loosely coupled cross-platform web application to track and manage medical devices using Spring Boot and Go.
- Integrated features like JWT for authentication, go-routine for parallel execution, gorm for object relation model, ajax to download PDF file, gofpdf for pdf file creation and REST API's for cross product access.
- Removed dependency of using Activity framework by building own customized workflow module to assign, maintain task flow and trace them at each stage of the flow.
- Deployed the application on EC2 amazon web server and explored Amazon S3 bucket for feature implementation.

Huawei Technologies India Pvt. Ltd., Bangalore, India | *Senior Technical Engineer*

Jan 2014 - July 2017

- Resolved database access performance issue connecting through JDBC in production system using tools like IBM Thread Analyzer and JConsole which increased the execution performance from 10 instructions/minute to 32 instructions/minute.
- Debugged GDR (Geographical Disaster Recovery) issue in the shell script file which removed the IP from the system config where switching from Disaster Recovery node to Production node was not successful.
- Analyzed and fixed single socket channel asynchronous processing bug due to socket buffer which was implemented in Java. The fix increased the success command processing from 90% to 100%.
- As a SPOC gathered the architectural design for SFTP, asynchronous socket and JSON protocols. Verified the behavior as per the requirement, as a result of which it got accepted and implemented in 8 projects.
- Built a Java automation tool that performs daily testing on time schedule to rectify the issues and loopholes in business logic based on each project requirement.

PROJECTS

Test Harness (C++)

Sep 2018 - Nov 2018

Provided with GUI, which list all the DLL's. Execute test cases defined in the DLL's by spawning a child process for each. Supports logging test into multiple output streams in a single write call. Send back the result to the client using COM.

PartyApp (Kotlin, Node.js, ExpressJS, MySQL)

Sep 2018 - Dec 2018

One stop android app to plan and organize party or events. Pin drop location on the map. Add and manage guests based on event type. Upload and access event photos at one place. Integrated with Walmart to search and add party items.

WePro Freelancer Application (Spring-boot, AngularJS, MySQL)

Jan 2018 - May 2018

Designed and developed freelancing single page web application where developers can apply for projects they wish to work. Project owners can hire developers based on the test result. Integrated e-mail and in-app notifications on user actions.

Twitter Based Movie Rating System (Python, Pandas)

Jan 2018 - Apr 2018

Opinions on movies are expressed by the public on the Twitter platform. This ideology aims us to use Twitter context for predicting the entertainment rating by performing the sentiment analysis.

Virtual Memory Management and System Call (Java)

Oct 2017 - Dec 2017

Implemented virtual memory concepts like swap space, page fault handling, and page replacement algorithm in the Jnuchos operating system in Java language. Also, system calls like the fork, join and execute was handled.

ACHIEVEMENTS

- Awarded Best New Year Joinee-2014 for excellent contribution in the year-2014 for two projects going online, 10 E2E version delivery and solving cluster issue.
- Acted as a SPOC for knowledge transfer between HQ and offshore teams for all the modules of provision product and successfully handover completion. Operational Excellence Award-2015.
- Honored with spot award as Best Technical Contributor of the Month-September 2016 for solving critical production issue in memory using GC log.