

# Siril Siju

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Java Developer | Software Engineer | Android Developer

## PROFESSIONAL SUMMARY

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Highly motivated and innovative software developer with 3 years of experience. Strong foundation in both Android application development and full stack development, with a proven track record of creating optimised, scalable, and efficient software solutions. Seeking a challenging developer role to leverage technical expertise.

## WORK EXPERIENCE

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### Software Engineer L2

*Rappit India*

*Jul,2021-Present*

- Currently working in the development and maintenance of ERP product for the e-Invoicing achieving a remarkable 95% performance enhancement, while simultaneously involving the development and maintenance of key platform micro-applications such as EmailReceiver and ConversionTask, successfully addressing over 100 bugs.
- Successfully set up Solr Server in the target instance for reindexing critical collections, ensuring optimised search functionality.
- Proactively handles maintenance and fine-tuning of Solr server issues, diagnosing problems to ensure optimal system performance.
- Introduced a hybrid transaction product to the platform that combines the features of the Document Transaction Module and Manual Transaction Module, maximising the benefits of both.
- Played an active role in migrating the platform from Java 8 to 17, updating HBase, Solr, and Tomcat versions, reindexing 70 million documents in Solr without loss, assisting in deployment activities, upgrading libraries, and developing migration scripts.
- Developed a client library to read Solr Shard document statistics and automated the daily update of these statistics in a Google Spreadsheet, enhancing the team's efficiency in Solr server maintenance.
- Migrated the platform's email receiving system from James server to Amazon SES, configured SES for the platform, and gained expertise in technologies such as SES, SNS, and S3.
- Revamped and redesigned the ConversionTask MicroApp of the platform by updating IDR API integration parameters and adapting it to align with API improvements, ensuring up-to-date integration. Also shifted the application to read IDR client certificates for API authentication from the file system instead of classpath storage and introduced primary document processing flow for IDR-enabled and non-enabled docs.
- Automated and streamlined the regular monitoring and document retention backup of the invoicing platform, resulting in a reduction of manual errors by 80% and saving 15 hours per week.
- Engineered a robust JMeter script and TestNG based regression to conduct comprehensive API performance tests and regression testing
- Designed and engineered a resilient application to streamline daily exports for the business, significantly reducing workload by 80%.

### Intern

*International Centre for Free and Open Source Software (ICFOSS)*

*1stJul,2019 - 31stJul,2019*

- Underwent training on Networking, Servers and Linux, Researched and comprehensively understand the Linux boot process, including EFI (UEFI) implementation, Linux commands and Linux filesystems and basic architecture.
- Successfully Configured PXE Server for Automated Network OS Installation and application Management

## PERSONAL PROJECTS

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### Simple GST Billing Desktop Application

2021

Java-powered GST billing system customised specifically for the needs of small enterprises and emerging startups

### Exam Cell CCE

2020

Android application streamlining candidate attendance for the college exam cell. Enhanced efficiency in uploading student lists and allocating invigilators. Intuitive interface facilitates user-friendly attendance capture for invigilators, complemented by seamless PDF record retrieval for the Exam Cell.

### Aptitude Master

2020

Android app for students to practise aptitude questions for exams, facilitating skill development. Tutors can post daily topic-wise videos and questions, allowing students to respond and share results for guidance.

## EDUCATION

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### Christ College of Engineering,Irinjalkuda

2017-2021

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.64

- Attained **Position Certificate** in recognition of being among the top 2% at the university based on CGPA.
- **Final Year Project** : *BlockChain Secured Automated Answer Sheet Valuation USING AI*. System that evaluates answer scripts using NLP and stores the result in Blockchain and IPFS
- **Design Project**: *WName OS* Designed architecture for a Windows like Linux OS
- **Smart India Hackathon 2019 Winner (Software Edition)**

## SKILLS

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**Programming Languages** : Core Java, Python, C, C++, Shell Script

**Front End Technologies**: HTML, CSS, JavaScript, Angular JS, BootStrap

**Framework and Libraries**: Android SDK

**Tools**: JMeter, Postman, Fiddler

**Database**: SQL, Hbase

**CI/CD**: GitLab, Jenkins

**Servers**: Tomcat, Solr Server, Nginx

**Others Skills**: TestNG, Git, AWS Cloud,Jenkins, OOP, Debugging,Coding skills,REST,SOAP