

# Jayanth Donekal

## SOFTWARE ENGINEER

ONLINE PROFILE:

<https://jaydonekal.github.io/onlinecv.github.io/index.html>

GITHUB:

<https://github.com/JayDonekal>

LINKEDIN:

<https://www.linkedin.com/in/jayanth-donekal>

## EXPERIENCE

### Senior Programmer/Analyst | SickKids - The Hospital for Sick Children

Toronto, Canada | March 2023 – present

- Involved in the cloud migration from on-premises to Microsoft Azure cloud for hospital research systems that handle 5000+ highly sensitive health records and research data transactions daily.
- Experience working with frontend (React and Node Js) and backend (Java and spring boot) technologies along with SQL databases.
- Worked in large and small cross-functional teams to design architectures and relational databases to convert large-scale monolithic applications into distributed microservice systems.
- Introduced containerization of microservices for the first time with Docker and Kubernetes along with automated deployments using GitLab CI/CD pipelines that reduced deployment times by 70%.
- Utilized Test Driven Development with Junit and Selenium in an agile software lifecycle, cutting time-to-production by 30% while meeting all requirements.
- Created custom internal software for data extraction and automating various internal processes within the research department.
- Integrated a payment gateway using Moneris for handling upwards of 200 credit card transactions every day with security using 3D secure and Google reCAPTCHA.

### Software Engineer | FutureVault Inc.

Toronto, Canada | May 2021 – March 2023

- Assist in developing a leading cloud-based document storage and management solution.
- Handling complete creation of microservices starting with the initial application creation, writing JAVA REST APIs, construction of MongoDB databases, setting up communication between microservices with rest templates, integration into cloud services such as AWS, and deployments onto public load balancers.
- Understanding of Spring Securities, OIDC, OAuth 2.0 (Cognito) and SAML 2.0 protocols
- Containerization of microservices with Docker and orchestration using Kubernetes and AWS EKS technologies to achieve internal communication between applications.
- Setting system access control through IAM and RBAC services.
- Testing of services with Junit, Mockito, and Postman.
- Documentations of APIs through Swagger and Spring REST Docs.
- Introduced Public APIs to assist developers with interfacing backend APIs directly.
- Write CI/CD pipelines to set up microservice applications on test, dev, and production cloud environments.
- Worked extensively with system integrations connecting multiple CRM applications to add single sign-on authentication.

## TECHNICAL SKILLS

- Java Spring Boot.
- Microservices.
- React and Node JS
- REST API'S and Rest Templates.
- Spring cloud config server.
- OAuth and Spring security with role-based access control.
- SSL/TLS and certificate management for HTTPS
- CI/CD pipelines.
- SSO and CRM (Salesforce) app integration.
- Amazon web services and Azure cloud development
- Docker and Kubernetes
- NoSQL (MongoDB), MySQL, PL/SQL

## EDUCATION

- Advanced Diploma in Software Engineering Technology**  
Centennial College, Toronto, ON
- Master of Science (M.Sc.) in Information Management**  
University of Strathclyde, Glasgow, UK | Merit Degree with Honours
- Bachelor of Engineering (B.Eng.) in Computer Science & Engineering**  
Visvesvaraya Technological University, Bangalore, India

## CONTACT

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### **Junior Developer Intern | Taurus Hard Soft Solutions**

*Bangalore, India | Jan 2018 - Aug 2018*

- Designing, programming, and launching a collaborative portal aimed at user data management for the Center for Human Genetics (CHG) India.
- Developed program with technologies - Java, Hibernate, Bootstrap, and HTML JSP, within a Maven Environment
- Project estimations along with function point analysis and business workshops with use case testing