Satya N. Kumaran

Eligible to work full-time 40 hours

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OBJECTIVE

Seeking a challenging position in a software development environment where I could add my knowledge and skills for the better productivity and growth of the organization.

TECHNICAL SKILLS

- ✓ **Programming Languages** Java, JavaScript, TypeScript, Python
- ✓ **Frameworks** Spring Boot JPA with Hibernate
- ✓ **Cloud Technologies** Google Cloud Platform (Cloud storage, Compute Engine, Virtual Machines)
- ✓ **Web Technologies** Angular 13, RESTful Web services, HTML5, CSS3, TypeScript, NodeJS
- ✓ **Webservers** Apache tomcat 9.0
- ✓ **Databases** MySQL, SQL server
- ✓ **Version control tools** Git repository, Tortoise GIT, GitLab repository
- ✓ **Sprint** Jira
- ✓ **IDE and tools** Eclipse, IntelliJ, Visual Studio Code, MySQL workbench
- ✓ **Other skills** Strong Problem-Solving Skill, Leadership

WORK EXPERIENCE

Vanenburg Software India Pvt. Ltd. *(Coimbatore, India)*

Software Engineer Level 1   *Sep '20 – Nov '22*

Project: Advanced feature development for applications of Solvay

To develop, introduce new features and maintain a set of applications owned by Solvay S.A in agile methodologies (SCRUM, SDLC). In all three layers such as frontend, backend, and database as a full stack developer. Moreover, all the applications are web apps hosted in GCP (Google Cloud Platform) with a maven build.

Application	Roles and responsibilities
Domain split	➢ Development of a new application in the GCP space for the changes of domain split where the entire Solvay org split into two. So, the applications must be restricted from another domain from accessing it.
General security for all apps	➢ Modified the service account keys for all the application under one organization in the GCP, where those service accounts are used to act as a authentication part for the GCP resources Cloud SQL, Big query, Virtual Machine instance and app engine etc. Also, made changes to the applications so that it will retrieve the new keys from the encrypted file from the Cloud storage (GCP). ➢ Modified the GCP settings so that only the Solvay domain users can access the applications under one organization.
Matrix	➢ Developed new features for the application in the backend. Where we need to sync records from AODOCS to the application databases and make sure that the sync is proper for every API call. ➢ Responsible for the new features, bugs, changes for this application.
PCM (Preventive	➢ Developed and optimized the loading time for a grid in angular and fixed lot of bugs and made the application stable.

Credit Management)	➤ Introduced pagination feature for the data loading in the UI and backend SQL for the API change and query logic change for the pagination.
Ezbuy	➤ Developed new features for the application both in front end (Angular) as well as the backend (Java EE). ➤ Found and fixed a major bug of solr database getting down frequently due to the low memory allocation. ➤ Created alerts in the GCP so that if the solr goes down in future the product owner or the developer team will be alerted via email.
SENTRI	➤ Developed an application named SENTRI using a low / No code platform and customized the UI using Angular and custom logics in the backend using Java with a firebase NOSQL. ➤ Converted the application from a spread sheet logic and wrote the questionnaire logic into a Java code. Also, for the input data populated the existing one into the big query database (GCP).
Mappy	➤ Developed and redesigned a page in an application called Mappy to display the data from the DB in a particular order in the table in the UI using Angular. ➤ Developed and introduced the impersonation feature in an application by making changes in the UI using angular and major changes in the backend NodeJS for the impersonation logic Also logged the details of the users logging in as impersonation in the database.
Datagrow	➤ Developed and optimized the loading time of an application by introducing lazy loading in Angular along with optimising the Query logic by introducing indexing for the data in the SQL. ➤ Developed an entire page for an application just to show the images coming up from the backend to be displayed in the UI along with click to view more features. ➤ Made changes to an existing Cloud function (GCP) pointing it to a new shared drive location from a normal drive location to retrieve the images from the drive to the Cloud storage (GCP Bucket). ➤ Developed a view for the database to restrict the access to role in the application.
Collabr	➤ Developed and exposed REST APIs for the application using Java EE. Modified the existing API and exposed in both XML and JSON content type.

Project Trainee/Intern *Jan '20 – May '20*

Project: Enabling REST services for Micro application platform

Enabled the REST services for the Micro application platform named Collabrr (flowcreate current name) for Vanenburg Software India Pvt. Ltd. Modified the existing SOAP web services logic into supporting a REST services.

Application	Roles and responsibilities
Collabr	➤ Developed a new REST component of logic like the existing SOAP web services. ➤ Modified the Security authentication to differentiate between the SOAP and REST web services for the micro application platform. ➤ Modified each method of the REST endpoints so that it will support both the XML and JSON format without changing the existing logic of the SOAP endpoint. ➤ Documented the REST web services in the swagger platform using the YAML and JSON format.

EDUCATION

Lambton College, Toronto, Canada - *Full stack software development*   *Jan '23 – Sep '24*
Karunya University, India - B.Tech. in *Computer Science and Engineering*   *July '16 – Aug '20*