

Anuraag K B

Back-End Developer

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PROFILE

Solutions oriented Software Engineer with 10.4 years of experience specializing in Java, Algorithm Design, Object-Oriented Analysis and Design. Strong background in designing and developing scalable backend solutions with expertise in Spring Boot, WebFlux, Microservices, and GraphQL.

TECHNICAL SKILLS

- **Programming Languages** : Java
- **API Skills** : RESTful APIs, GraphQL
- **Framework** : Spring Boot
- **Data handling** : Java Streams, Collections, Data Structures & Algorithms
- **Database & Caching** : PostgreSQL, Redis
- **Version-control** : Git, Github, Gitlab
- **Tools** : Jenkins, Azure DevOps, Oracle Agile PLM, Eclipse, IntelliJ IDEA, Rancher

WORK EXPERIENCE: 10.4 years

Senior Associate - Projects

Cognizant Technology Solutions

(August 2023 – Present)

- Responsible for developing backend solutions for banking client.
- Developed a GraphQL-based Brokerage Service, consuming Fidelity APIs using Spring WebFlux.
- Leveraged Reactive Programming for asynchronous event processing, improving system responsiveness.

Senior Software Engineer

HCL Technologies Ltd. (Product Division)

(October 2018 – August 2023)

- Responsible for developing the backend solutions for HCL's OneTest suite of products.
- Developed HCL OneTest Server integrations with Xray, IBM ETM, and Microfocus ALM for automated test execution.
- Developed Jenkins Plugins to enable CI/CD pipeline automation for test executions.
- Worked with cross functional teams through design and development phase.

Services Information Developer

DXC Technology

(August 2014 – September 2018)

- Worked as a team player in Application Development and Maintenance of a number of DXC's PLM web assets.
- Enhanced Scitex Reporting Tool, utilizing Apache POI API for report generation.
- Developed application to import data into destination system involving parsing of XML data using Java DOM parser.

SAP Applications Support (1.9 years)

- Managed **SAP Master Data Management**, performing **mass data uploads & syndication**.
- Was responsible for the daily and weekly customized reports extracted from the MDM tool.
- Received appreciations from clients and my manager for prompt responses to service tickets and service requests within established SLAs.

CERTIFICATIONS:

Microsoft Certified: Azure Fundamentals

PROJECTS: [Cognizant Technology Solutions]

➤ ***Brokerage service implementation: (October 2023 – Present)***

Implementation of brokerage service exposed as GraphQL API and consumption of Fidelity APIs for brokerage data. Programming implemented in Reactive Programming paradigm. Implementation of brokerage services through the deployment of a GraphQL API, providing interaction with Fidelity APIs to access brokerage data. The entire programming architecture is crafted in adherence to the Reactive Programming paradigm, ensuring asynchronous events processing.

Technologies used: Spring WebFlux, Spring for GraphQL, Collections, Multithreading, Splunk, Rancher, Jenkins.

PROJECTS: [HCL Technologies Ltd.]

➤ ***HCL OneTest Server – Data generation: (December 2022 – August 2023)***

HCL Onetest Server is the cloud based product for execution of test scripts of OneTest suite of products. The requirement was to help customer to generate data based on certain datatypes which could then be passed as inputs during test execution. In the backend, we have used IO library to generate data from csv files and the open source java-faker library.

Technologies used: Core Java, Data structures and algorithms, Spring, java-faker library

➤ ***HCL OneTest Server – XRAY Integration: (April 2022 – November 2022)***

HCL Onetest Server is the cloud based product for execution of test scripts of OneTest suite of products. The requirement was to design and develop a solution for enabling the publishing of test execution reports to the Xray test management tool. This involved addition of new endpoints to existing microservice using Spring involving contributions to REST APIs creation, events consumption, consuming feign clients of other microservices.

Technologies used: Core Java, Data structures and algorithms, Collections, Spring, events and feign client consumption, Multithreading

➤ ***HCL OneTest Server – IBM ETM Integration: (March 2021 – March 2022)***

HCL Onetest Server is the cloud based product for execution of test scripts of OneTest suite of products. The requirement was to design and develop a solution for enabling the execution of the scripts hosted on the OneTest server via IBM ETM Server. This involved contribution of code to existing microservice using Spring involving contributions to REST APIs creation, multithreading, consuming feign clients of other microservices.

Technologies used: Core Java, Data structures and algorithms, Spring, events and feign client consumption, IBM ETM APIs.

➤ ***HCL OneTest Server - Jenkins plugin development: (September 2020 – February 2021)***

HCL Onetest Server is the cloud based product for execution of test scripts of OneTest suite of products. The requirement was to design and develop a solution for enabling the execution of the scripts hosted on the OneTest server via Jenkins. After consultation with stakeholders, I came up with the design for implementation of the plugin. The solution involved development of the plugin using Core Java and consuming the OneTest Server APIs in such a way that the end user had to input least amount of data manually.

Technologies used: Core Java, Data structures and algorithms, Jenkins plugins development APIs.

➤ ***HCL OneTest UI and Performance Integration with ALM: (May 2020 – August 2020)***

HCL OneTest UI and HCL OneTest Performance tools are part of the HCL OneTest suite of products. The requirement was to enable the execution of the scripts generated from the above tools via the Microfocus ALM tool. We consulted the Microfocus team on the integration and came up with the approach of execution of the test scripts from the ALM tool using VBScript. The solution involved development of the script using VBScript and utilizing the command line interface execution of the products to enable test scripts execution from the Microfocus ALM tool.

Technologies used: VBScript, Microfocus ALM.

➤ ***Jenkins, UCD and Ant plugins enhancements: (September 2018 – April 2020)***

This involves continuous enhancements for the existing integrations for the HCL Onetest suite of products. Addition of new features for the plugins like reports generation, integration of new options for test scripts execution, defect fixing related to test results retrieval, tests validations tasks are involved for every product release.

Technologies used: Core Java, Data structures and algorithms, Collections, Jenkins and UCD plugins development APIs

PROJECTS: [DXC Technology]

➤ **HP Networking Products Import**

This asset is used to manage lifecycle data of Networking products of HPE. The project's main aim was to import Products data to our application from an SAP system. The data would be imported to our FTP location in XML format. The file would then be parsed with Java DOM parser and the products data would be updated.

Technologies and Tools Used : Java, Agile API, Windows Task Scheduler

➤ **Scitex Reports Enhancement Project**

Scitex is a web asset for HP's printer and desktop business and is a heavily used application. The project required retrieval of data from change orders created by user in to be triggered from the application in excel format. The feature was added as an enhancement to the tool and on triggering would retrieve the data from the change order and add them to an excel template using Java POI API. The report would then be available for download to the user.

Technologies used : Java, Apache POI API, Agile API

➤ **Jupiter PLM Parts Registration Project**

Jupiter Agile is a web application which is used to manage the lifecycle of products. The project's main aim was to add validations to the existing products workflow before the changes are moved for approvals. Web service consumption for retrieving data from external system also had to be implemented.

Technologies used : Java, JAX-RS, Agile API

Production Support Experience:

Company: **DXC Technology**

Software Engineer – SAP Applications – 1.9 years

Domain : Master Data Management

Was part of the SAP support team to carry out Master data activities on the SAP Master Data Management tool. Performed mass data uploads and syndication activities. Was responsible for the daily and weekly customized reports extracted from the MDM tool. Received appreciations from clients and my manager for prompt responses to service tickets and service requests within established time-based requirements.