

Bharat Banavalikar

Key Skills

- **Backend development:** Java, Spring Boot, Spring MVC and Hibernate.
- **Frontend development:** Angular, Typescript, JavaScript, HTML and CSS.
- **Other languages:** Python, C++ and C.
- Restful web services.
- Agile Software development.
- Data Structures and algorithms.
- Git, SVN, Perforce, Jira T&R, Source tree, Confluence.

Work History

Cepheid (Danaher Operational Company)

Bengaluru, KA

Full Stack Developer

09/2021 – present

Athena (Nexsys)

- Developed and designed new features and components of the application.
- Updated RT-PCR result module to show more accurate results and reduced false positives by 20%.
- Resolved bugs reported by Coverity tool achieving 40% of code coverage.
- Tech Stack: **Java, Spring Boot, Angular, Jasper Reports.**

Bosch Global Software Technologies

Bengaluru, KA

Full Stack Web Developer

08/2018 – 08/2021

Integrated Tool Environment (ITE)

- Designed, analyzed and developed several modules of the application, frontend to the backend.
- Migrated Angular 4 code and older deprecated libraries to Angular 7 resulting in 30% faster loading time.
- Processed data from XML and JSON files and rendered as tables, graphs and reports.
- Moved result data from XML files and JSON files to Mongo DB improving processing time by 75%.
- Tech Stack: **Java, Spring MVC, Hibernate, Oracle DB, Mongo DB, Angular, Plotly, Jasper Reports.**

ITE lite (RaDeVa)

- Developed a lighter version of an application to provide basic minimal features resulting in faster request processing by 60%.
- Enabled authorization and single sign-on using Identity Management API, **Active Directory** and **LDAP**.
- Contributed during the initial stages of containerizing the application with Docker.
- Tech Stack: **Java, Spring Boot, Angular, Hibernate, Identity Management System, Docker file, Docker Compose file.**

Vault of Archetypes for Unified Systems Engineering (VAUSE)

- VAUSE is an ALM tool that establishes interoperable engineering systems and a secure data-sharing ecosystem through seamless data transformation.
- Contributed to the development of POC using **GraphQL** and **Spring Boot** to communicate with **Neo4j datasets** that contributed to landing a client.

Projects and Hackathons

Capstone Project: Search Engine for Semantic Web

08/2017 – 05/2018

- Developed a search engine for the semantic web which allows a bot/user-agent to query the web with machine-readable metadata using **Python** and **Beautiful Soup**.
- Published a research paper in Procedia Computer Science (CoCoNet'19).

Hackathon: Bosch | Finalist (top 5)

01/2019

- Designed and developed a web application for a food ordering service using **Angular** and **Spring Boot**.
- Created and led the presentation to 150+ engineers including the Department Heads.

Education

B. V. Bhoomaraddi College of Engineering & Technology (BVBCET)

Hubli, KA

Bachelor of Engineering: Information Science & Engineering.

2018

CGPA: 8.52/10