



Aravinda Bantwal Baliga

Date of birth: 31 May 1993 **Phone number:** (+49) 1748268574

Email address: aravindabaligab@gmail.com

LinkedIn: <https://www.linkedin.com/in/aravinda-baliga-b-1a682189/>

Website: <https://aravinda93.github.io/aravinda/>

Home: 50169 Kerpen (Germany)

ABOUT ME

Experienced full-stack developer with expertise in building scalable, reactive, high-performance applications using front-end and back-end technologies. Proficient in Java, JavaScript, Spring, Quarkus, and RESTful API development with Agile project management. Master's degree in Web Engineering. Fluent in English and German.

WORK EXPERIENCE

Software developer

benelog GmbH & Co. KG [Dec 2020 – Current]

City: Kerpen | Country: Germany | Website: <https://openepcis.io>

Project: OpenEPCIS

An open-source implementation of the GS1 EPCIS standard. It comprises a variety of ready-to-use open-source projects, tools, and resources, offering seamless integration for the supply chain.

Some implemented projects:

- Developed a Test Data Generator that automates and creates millions of EPCIS events.
- Built an XML to JSON-LD converter, enabling the conversion of millions of events in seconds.
- Designed an Event Hash Generator to identify unique EPCIS events and prevent duplication.
- Created an EPCIS URN to WebURI converter tool to support EPCIS 2.0 standard.
- Implemented an EPCIS event validation tool to ensure XML/JSON events conform to schemas.
- Developed a tool to transform JSON-LD/RDF into XSD for complex data structures.
- Built various front-end web applications and REST APIs for users and developers.

Master Thesis

GS1 Germany [Jun 2020 – Nov 2020]

City: Köln | Country: Germany | Website: <https://www.gs1-germany.de>

Project: EPCIS Test Data Generator

A web-based tool for efficiently designing and generating EPCIS events adhering to the GS1 standard.

- Designed and implemented an interactive tool to generate thousands of EPCIS events in seconds.
- Collaborated with industry users to gather requirements and deliver customized solutions.
- Authored a comprehensive report detailing the entire implementation process and use cases.

Working student

Johnson & Johnson (Previously Surgical Process Institute) [Mar 2019 – May 2020]

City: Chemnitz | Country: Germany | Website: <https://www.jnjmedtech.com/de-DE>

Project: SPI Player

A web application used by clinics to assist physicians/nurses with patient treatment.

- Supported regular testing and maintenance to ensure optimal application performance.
- Reporting bug tickets and collaborating with developers for application efficiency improvement.
- Created a PractiTest-based dashboard for testing oversight, reducing manual efforts.

Software Engineer

Oracle Cerner (Previously Cerner Corporation) [Jun 2016 – Sep 2018]

City: Bangalore | Country: India | Website: <https://www.cerner.com/de/de>

Project: Revenue Cycle Management (RCM)

Monitor patient revenue to ensure accurate healthcare provider balances.

- Developed complex CCL queries and automation scripts, reducing a lot of manual efforts.
- Developed a self-healing automation script to prevent ticket escalation to production support.
- Created a web application to replace Excel for client contact management for various teams.
- Built a backend tool to auto-generate tickets for tracking workloads from client domain automation.
- Supported new team members with tasks and provided knowledge transfer.

Software Developer

UST Global [Apr 2015 – Jun 2016]

City: Kochi | Country: India | Website: <https://www.ust.com>

Project: Provider Finder Service (PFS)

Health insurance application to search for healthcare providers in the US.

- Developed complex SQL queries to automate application data testing, reducing manual effort.
- Performed regular testing and maintenance to ensure smooth application functioning.
- Supported production deployments and conducted regression testing.

EDUCATION AND TRAINING

Master of Science (MSc.) - Web Engineering

Technical University of Chemnitz [Oct 2018 – Nov 2020]

City: Chemnitz | Country: Germany | Website: <https://www.tu-chemnitz.de> | Final grade: 2.1

Concepts covered include Software Service Engineering | Current Trends in the Web | Cloud and Web Applications | Data and Web Engineering | Agile Methodology | Distributed Systems | Solid Web etc.

Bachelor of Engineering (B.E.) - Electronics and Communication

Canara Engineering College, Mangalore [Sep 2010 – Jun 2014]

City: Mangalore | Country: India | Website: <https://www.canaraengineering.in> | Final grade: 2.1

Concepts covered include Computer Science | Electronics | C | C++ | Microcontrollers | Microprocessors | Analog and Digital Circuits | Image Processing | Logical Design, etc.

DIGITAL SKILLS

Programming Languages

Front-end: HTML, CSS, JavaScript, TypeScript, Hugo.

Back-end: Java, Quarkus, Spring, Python, PHP, etc.

Databases: MS SQL Server, MySQL, Cerner CCL, etc.

Others: Docker, PodMan, Kubernetes, Maven, Keycloak, etc.

Frameworks, Libraries & Others:

Front-end: Vue.js, Nuxt.js, AngularJS, jQuery, Tailwind CSS, Nuxt Content, PrimeVue, AJAX, NPM, WebSocket, i18n, etc.

Back-end: Jackson, SAX, JAXB/Jakarta, Moxy, OpenAPI, Jena, SwaggerUI, Lombok, Xalan, JUnit, Jinja, SmallRye Mutiny, Apache etc.

Project Management: GitLab, GitHub, Confluence, Jira, Agile/Scrum, etc.

Data Formats: XML, JSON, JSON-LD, YAML, CSV, XSD, XSLT.

Development Tools: IntelliJ IDEA, VS Code, Eclipse, Postman, etc.

Operating Systems: macOS, Windows, Linux.

MS Application: Word, Excel, PowerPoint, OneNote.

HOBBIES AND INTERESTS

Hobbies Playing Guitar, Rubik's cube solving, Fitness training, Listening to podcasts, Traveling, etc.