Bala Subramaniyan Murugappa

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Professional Summary

- Sr. Software Engineer with 6+ years of proven track record in designing, developing, and deploying robust microservices architectures.
- With a solid understanding of various programming languages, frameworks such as Java, Typescript, Spring Boot, Nest Js, Next Js, AWS.
- Experienced in designing and implementing highly available and resilient architectures, leveraging AWS services like Auto Scaling, Elastic Load Balancing, and multi-region redundancy.
- With a deep understanding of infrastructure as code (IaC) principles, I can be able to automate the provisioning and configuration of cloud resources.
- My expertise extends to modern software development practices, cloud computing, and distributed systems.

Skills

Java (Spring Boot, JPA, Junit, Cloud)	GitOps
Typescript (Nest Js, Jest)	PostgreSQL
React JS (Next Js)	MySQL
Microservices	Unit Testing
AWS	MERN
Docker	

Work History

10/2021 - Current
Sr. Associate Technology
Synechron (Attra), **Bengaluru, India**

- Developed and maintained microservices using Java (Spring Boot), TypeScript (Nest Js), Next Js, Postgres, Docker, AWS.
- Leveraged expertise in various programming languages and platforms to develop innovative solutions for diverse client needs.
- Contributed towards creating CI and CD pipelines with automation tools like AWS Code Pipeline, GITOPS and CDK scripts for infrastructure provisioning
- Designed comprehensive test cases based on functional specifications for each feature set being tested.

09/2020 - 10/2021
Lead Engineer
HCL, **Bengaluru, India**

- Designed, developed, tested, deployed, and maintained Microservices using various stacks Spring Boot, MEAN, Docker, AWS
- Resolved complex technical issues encountered during development process through root cause analysis techniques
- Created reusable components that can be shared across different projects reducing development time
- Participated in code reviews to ensure adherence to established coding guidelines.

05/2019 - 08/2020
Developer
Visual BI, **Chennai, India**

- Built reusable UI components that can be used across multiple projects
- Integrated external APIs into the application to fetch data from remote servers
- Collaborated with designers to create a visually appealing user interface utilizing HTML5, CSS3, and Sass and Less preprocessors
- Collaborated effectively with cross-functional teams to ensure timely delivery of projects.

05/2017 - 04/2019
Software Developer
Trikore, **Chennai, India**

- Enhanced software components using object-oriented programming languages
- Built RESTful APIs using frameworks which enabled different services within our platform to communicate with each other efficiently.
- Designed, developed and implemented Android applications with Java, XML and SQLite
- Updated old code bases to modern development standards, improving functionality.
- Integrated third-party libraries into our applications for added functionalities

Education

08/2017   **B.TECH (Information Technology)**, *Anna University (Arunai Engineering College)*, Tiruvannamalai, India

Certifications

- AWS (CLF)
- Enterprise Developer (Skillshare)
- MEAN Stack (Simplilearn)
- MERN Stack (Eduonix)

Projects

Till Payments, May 2022 to Present

Description:
Till Payments is a payment portal connect merchants with customer across different branches and location.

Responsibilities:
• Built microservices with various programming languages and frameworks along with AWS.
• Built Infrastructure as code using AWS CDK.
• Designed and developed AWS infrastructure with CI/CD pipelines, GITOPS.

Environment:
Spring Boot, Nest Js, Next Js, Typescript, Postgres, AWS

Open Banking (Cuscal), Oct 2021 to May 2022

Description:
Open Banking is a new age banking product allows the third parties, vendors to use customer data with consents and expiry.

Responsibilities:
• Managed Consumer data standards in application across different banks.
• Designed and developed microservices with Spring boot and Next js.
• Participated in code reviews and mentored team members.

- Involved in production deployment and worked with different timezones.

Environment:
Spring Boot, Nest Js, Next Js, Typescript, Docker, Postgres, Bamboo

Cisco (BPA), Sep 2020 to Oct 2021

Description:
Process Automation is SAAS for Automation of configuring, updating network devices configuration through
workflows and orchestration.

Responsibilities:
- Managed artifacts/feature milestones from initial step through final delivery.
- Involved in orchestrating large scale deployment.
- Coordinated with Technical Leads to evaluate and improve software interface.
- Contributed ideas and suggestions in team meetings and delivered on deadline

Environment:
Spring Boot, React.js, Typescript, MongoDB, Docker, Postgres

xViz,Valq May 2019 to Aug 2020

Description:
xViz is Enterprise visualization library for Microsoft Power BI and SAP with easy-to-use interface and enterprise class
features.

Responsibilities:
- Collaborated with multidisciplinary teams in layout, design, and features.
- Designed and developed User interfaces using Javascript.
- Communicated technical risks and benefits to management and key stakeholders.
- Designed API services for features and functionality.

Environment:
- React, Javascript, Node Js

SchoolNeet, Sep 2018 to May 2019

Description:
SchoolNeet focuses on student's who is prepping for NEET. SchoolNeet helps the students by keeping mock tests,
analysis of marks based on chapters, suggestions for improvement in areas.

Responsibilities:
- Participated in all stages of SDLC.
- Introduced effective development best practices to enhance product development.
- Involved in code enhancement, Defect fixing.
- Designed DB schema for various features.

Environment:
- Node Js, MongoDB, Mysql, express.

TMG, Feb 2018 to Oct 2018

Description:
TMG is a logistics automation system which focus from warehouse stock management to billing history of a individual
stock, which also has its billing and subscription services.

Responsibilities:
- Built backend using MySQL and Nodejs
- Designed DB schema for various features.
- Designed REST API for android and ios.
- Participated in client meetings for demo and feature discussions.

Environment:
• Node Js, MysQL, express.

Monolith, May 2017 to Feb 2018

Description:
Monolith is project management system for Monolith Media, which also has features like employee monitoring,
payroll, client management, project management, task control, leave management.

Responsibilities:
• Revised and updated old code bases to modern development standards.
• Integrated version control system with deployment for CI/CD.
• Developed REST API for android.
• Owned and delivered various features from story to deployment.
• Integrated audit scanning and library management tools.

Environment:
• Node Js, MySQL, MongoDB, Javascript, ejs.