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## Badhusha .K

### ***Full Stack Web & Mobile Software Engineer***

#### ***Specializing in Mobile Development, Web Services & Cloud Architecture***

Expertise: React | Node.js | TypeScript | Android (Kotlin/Java) | GoLang | Microservices

### PROFESSIONAL SUMMARY

- Highly accomplished Senior Software Engineer with 8+ years of experience designing, developing, and deploying scalable full-stack solutions, specializing in Node.js, Golang, and modern SPA frameworks (React, Vue.js). Proven expertise in cloud-native (AWS) environments, API-first architectures, and microservices. Adept at driving complex projects, optimizing performance, and mentoring engineering talent to deliver high-impact software for enterprise applications in E-commerce and EdTech. Passionate about leveraging AI/ML technologies to enhance product capabilities.
- Currently serving as **Lead Software Engineer** at a major product company
- Successfully executed large enterprise projects with cross-functional teams under rapidly changing priorities
- Expert in User Acceptance Testing with deep understanding of business client functionality requirements
- Collaborate effectively across multiple organizational teams to implement comprehensive solutions
- Provide technical leadership across diverse application development domains
- Extensive **Full-Stack Software Development** experience (web and mobile) with direct client interaction and team coordination
- Successfully managed work between **onsite** and **offshore** teams in multi-vendor projects
- Accountable for delivering and implementing complex enterprise-scale mobile applications
- Exceptional communicator with demonstrated team management, leadership, and coordination abilities
- Oversee all aspects of software development lifecycle including coding, testing, implementation, integration, and documentation.

### AREAS OF EXPERTISE

- Integration development with REST/SOAP/RPC APIs for Google Maps, social media authentication, payment processors, and third-party services
- **Native and hybrid mobile app development** for Android and iOS platforms
- Relational database design and advanced SQL data engineering
- **Large-scale application development** using **Node.js (Express framework)** and **Golang** back-end systems
- Front-end expertise with **React, Nuxt, and Vue.js** frameworks
- Database management with **MongoDB, MySQL, Redis, and PL/SQL**
- **RESTful API architecture** and implementation
- **Cross-browser compatible and responsive UI/UX** web development
- Complex **SQL query optimization** and database performance tuning
- Rapid business requirement analysis and client need interpretation
- **Agile methodology** implementation including **Daily Scrum** facilitation and **Sprint** planning
- Team leadership throughout all development stages ensuring successful delivery
- Domain expertise in E-commerce, EdTech, and Data Pipeline software products
- Continuous learning and application of emerging software development technologies

### TECHNICAL SKILLS

Development Methodologies	➤ Agile (Scrum, SAFe), Waterfall
Data Formats	➤ JSON, XML, JSX
Programming Languages & Frameworks	➤ JavaScript, TypeScript, React, Node.js, Golang, Next.js, HTML5, CSS3, Laravel, Vue.js, Bootstrap, Python, FastApi, Nuxt, TS, Java, ➤ Android (Kotlin/ Java), React-Native , MEVN, MERN stacks, WordPress
Tools, Testing & Environments	➤ Natural Language Processing (NLP), Gpt, Generative AI tools, third party apis ➤ JIRA, Bitbucket, Slack, Figma, Microsoft Teams ➤ Swagger, Postman, Webpack, Redux, Expo, Studio3T ➤ Android Studio, Visual Studio Code, Xcode ➤ Jest, mocha, OpenApi , REST
Database Technologies	➤ SQL/SQLite, MongoDB, Redis, Room DB ➤ PostgreSQL, MySQL, GraphQL, Amazon Redshift ➤ Firebase and real-time database solutions
Version Control Systems	➤ GitHub, Bitbucket, GitLab
Operating Systems	➤ Linux, macOS
Architecture & Technologies	➤ MVC, MVVM design patterns ➤ Gradle, Socket.IO, OneSignal, Firebase Cloud Messaging ➤ Material Design, RxJava, RxKotlin, Android NDK ➤ Android Architecture Components, Fabric, OAuth integration ➤ Google Cloud/Play Services, Vimeo, LLM tools ➤ RESTful APIs ( First API Approach), Firebase, OpenCV ➤ AWS, Docker, Kibana, Nginx, Apache, Amazon S3, cloud infrastructure

## PROFESSIONAL EXPERIENCE

➤ Elance Learning Provides KL, IN - An EdTech Product Company

*Lead, Senior Software Engineer | July 2024 - June 2025*

### Key Responsibilities & Achievements:

- Spearheaded the design and development of new features for educational technology platforms, leveraging Node.js and React, resulting in a 15% increase in user engagement.
- Engineered and maintained highly available (99.9% uptime) backend microservices using Golang and Node.js, supporting thousands of concurrent users on critical learning systems.
- Integrate a **mistral 7B, LangChain** and **whisper** for content summarization within the EdTech platform and integrated **Generative AI tool/LLM API** for AI mentoring features
- Develop robust web services using MERN stacks, JavaScript-HTML5-CSS, [Next.js](#) frameworks based on stakeholder requirements
- Execute product roadmap deliverables across cloud backend (Node.js, Golang) and frontend platforms (React, Android Native Apps, React Native hybrid apps)
- Design and implement database schemas optimized for performance and scalability in educational technology environments
- Designed and implemented CI/CD pipelines (e.g., GitHub Actions with AWS deployment) for backend and frontend services, slashing release cycles by 40% and improving deployment reliability.
- Deployed serverless functions using AWS Lambda and managed workflows with Step Functions reducing operational costs.
- Collaborate with QA teams to establish comprehensive testing protocols for new features
- Mentored junior engineers and drove code quality improvements by 30% through rigorous code reviews and establishing best practices for Node.js and React development

**Technical Environment:** Node.js, Golang, Socket.io, React.js, React Native, MongoDB, MySQL, Redis, AWS, GitHub, MongoDB Atlas, GitHub Actions, Bitbucket, JIRA, JavaScript, HTML5, CSS, WebSocket, LLM tools, Video /Live Streaming tools , Develops tools, Elasticsearch, Lambda, Python, AWS cloud , S3, Mysql, Python, Live Streaming, Video Server, JIRA, Agile,Socket, redis

➤ **Freshtohome Foods Pvt Ltd, Bangalore, KL, IN - E-commerce Product Company**

**Senior Software Engineer | December 2021 - July 2024**

**Key Responsibilities & Achievements:**

- Implemented innovative features and maintained existing applications for hybrid mobile platforms (React Native/Ionic)
- Developed responsive web applications using MEVN/MERN stacks, JavaScript-HTML, Nuxt, and Laravel
- Architected and implemented a Node.js-based microservices data pipeline, integrated with Kafka and AWS Redshift, enhancing data processing efficiency by 60% for e-commerce analytics.
- Utilized NLP techniques for data type sync in the e-commerce data pipeline
- Supported data analytics team with optimized database queries, reducing reporting generation time by 45%
- Developed and launched critical customer-facing features for an e-commerce platform (100,000+ users) utilizing Node.js for the backend and React for the frontend, contributing to a 10% growth in active users.
- Designed and optimized scalable MongoDB and MySQL database schemas to support an e-commerce catalog of 5,000+ SKUs, improving query performance for product listings by 25%.
- Ensured successful implementation of complex microservices handling 10,000+ daily transactions
- Assisted QA team with feature testing and managed Alpha and QA server environments throughout development cycles
- Led code review processes for junior developers, establishing best practices documentation
- Provided technical support for mobile app store submission and release processes
- Collaborated with multiple product owners across various technology stacks to deliver cohesive solutions

**Technical Environment:** Node.js, React.js, Ionic, React Native, PHP, MongoDB, MySQL, Redis, AWS Redshift, Bitbucket, JIRA, JavaScript, GraphQL, HTML5, CSS,Kafka, Lambda, DynamoDB, Elasticsearch, Kafka, Typesense, SNS, SQS, AWS cloud , S3, Firebase, Laraval, Magento, Mysql, Pooling,JIRA, Agile,Redis, Socket

➤ **Codelattice Digital Solutions Pvt Ltd, KL,India**

**Software Engineer | December 2019 - December 2021**

**Key Responsibilities & Achievements:**

- Developed and maintained applications across multiple platforms: iOS (React Native, Flutter), Android (Java/Kotlin), and Web (MEVN/MERN)
- Collaborated across organizational departments to implement integrated technical solutions
- Conducted code reviews for junior developers and implemented comprehensive testing protocols, achieving 99% application uptime
- Designed flexible data models and schema updates for rapidly scaling web applications supporting diverse use cases
- Delivered complex enterprise-scale mobile and web applications on time and within budget constraints
- Provided technical expertise across multiple application development domains
- Created optimized database schemas for various client projects, improving query performance by 35%
- Worked with multiple product owners to identify and resolve cross-functional dependencies
- Implemented agile development methodologies, reducing development cycle time by 25%

**Technical Environment:** Node.js, React.js, Kotlin, Java, MongoDB, SQL, Git, JIRA, AWS, JavaScript, GraphQL, Python, AWS cloud, Agile, S3, SQS, Redis, Socket

➤ ***VTOQA INC Kinfra techno industrial park, KL, IN***

**Full Stack Developer | January 2019 - December 2019**

**Key Responsibilities & Achievements:**

- Diagnosed and resolved technical issues in existing applications, reducing bug backlog by 75%
- Evaluated technical options and provided strategic recommendations to optimize business requirements fulfillment
- Led and mentored development team of 5 engineers, improving team productivity by 40%
- Monitored emerging mobile technologies and evaluated state-of-the-art tools for implementation
- Developed native Android applications using Java/Kotlin and hybrid applications using React Native
- Facilitated daily scrum meetings ensuring team alignment and efficient sprint progress
- Designed database architectures and planned software system architecture for enterprise applications
- Managed daily status reporting by coordinating with multiple cross-functional teams
- Facilitated information transfer between development, QA, and product management teams

**Technical Environment:** SQL, MEAN stack, Kotlin, Java, React Native, JIRA, Bitbucket, AWS, Git, JavaScript

➤ ***Zemose Pvt Ltd, Cyberpark, CL, KL, IN***

**Mobile App Developer | March 2018 - January 2019**

**Key Responsibilities & Achievements:**

- Ensured proper integration of mobile applications with Android APIs and platform services
- Coordinated development planning, code review, and improvement processes with engineering teams
- Developed RESTful APIs for mobile applications using Express framework, handling 1,000+ daily requests
- Maintained daily stand-up status reports, weekly progress updates, and monthly QPC status documentation
- Facilitated cross-team communication to ensure project alignment and timely delivery
- Implemented responsive mobile UI designs following Material Design principles
- Optimized application performance, reducing load times by 35%

**Technical Environment:** MERN stack, Kotlin, Java, React Native, AWS, GitLab, JavaScript, Android Studio, Xcode, MongoDB, MySQL

➤ ***TATA Consultancy Service, Infopark, Cochin, KL, IN***

**Android Developer Intern | March 2017 - July 2017**

**Responsibilities:**

- Collaborated with technical leads and developers to ensure compliance with established coding standards
- Implemented Firebase Push Notifications and integrated real-time database and Firestore services
- Engineered Android applications with real-time database synchronization features
- Participated in daily stand-up meetings and provided weekly and monthly status updates
- Facilitated information exchange between development teams to ensure project continuity
- Successfully completed internship project ahead of schedule with all requirements met

**Technical Environment:** Adobe XD, SQLite, XML, Firebase, Kotlin, Android APIs, Android SDK, Gradle

## EDUCATION

### Academic Qualifications

#### **Bachelor of Science in Computer Science**

Calicut University, Kerala, India

Graduated: March 2018

Academic Achievement: 7.8/10 CGPA

#### **Higher Secondary Education, Computer Science**

Government Higher Secondary School Nirmaruthur, Kerala, India

Completed: 2014

Academic Achievement: 7.8/10 CGPA

#### **Secondary School Leaving Certificate (SSLC)**

Government Vocational Higher Secondary School Paravanna, Kerala, India

Completed: May 2012

Academic Achievement: 7.7/10 CGPA

### Professional Certifications

#### **NASSCOM Software Developer Certification**

National Association of Software and Service Companies (NASSCOM)

Awarded: 2017

*Industry-recognized credential validating software development skills and best practices*

#### **NASSCOM Life Skills Certification**

National Association of Software and Service Companies (NASSCOM)

Awarded: 2017