



# RAMESH BONDIGA

Blockchain & Java Full Stack Developer and Architect with over 15+ years of experience in creating high-performance and scalable Distributed Apps (dApps), Web3, Web-services, and N-Tier Enterprise client-server Applications. Currently targeting Senior/Lead/Manager or Designer/Architect level roles in Blockchain, Java/JEE based dApps, Web3, Web-services, or N-Tier Enterprise Applications within an organization of high repute.

## Contact

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## Core Competencies

Software Development Lifecycle   
N-tier Enterprise Web applications   
Restful Web Services   
Blockchain dApps / Web3   
Low-level Design   
Full Stack Development   
Requirement Gathering and Analysis   
Troubleshooting/ Debugging   
Program/Project Management   
Agile/Scrum Methodology   
Team Building & Leadership

## Education

2005: B.Tech. in Computer Science and Engineering from J.N.T. University, Hyderabad, India

2001: Diploma in Computer Engineering from S.B.T.E.T., Hyderabad, India

## Profile Summary

- A result-oriented individual with exposure in **Full Stack Development**, with a special focus on Blockchain and Java/JEE based dApps, Web3 Apps, Restful Web Services and N-tier Enterprise Web applications development, App Build & Deployment, and App Maintenance & Support.
- Currently serving as a **Delivery Module Lead** in BlockchainCOE team at Mphasis Ltd., promoting best practices, and fostering innovation, researching, involving in design, and development of advanced solution offerings, products and conventional tools relevant to Blockchain or DLT (Distributed Ledger Technology).
- A recognized personality in the art of effectuating as well as designing, implementing, deploying and supporting **Distributed/Blockchain-based Enterprise Web3 solutions architectures** for business processes.
- Hands-on experience with exceptional proficiency in designing, developing, deploying, testing, supporting, and conducting code reviews for **Java based N-tier Enterprise Web Applications and Restful Web Services**, besides integrating efficiently all layers like Database, Backend, Frontend, etc. with each other.
- Innate excellence in managing **end-to-end delivery of project** planning & implementation from scope management, to activity sequencing, effort & cost estimation, risk analysis to quality management in line with the guidelines & norms.
- An ambassador of change with impressive success in spearheading the development of **blockchain-based solutions** for clients in **Finance or and Supply Chain domain**.
- Proven exposure of **augmenting business value** as per business, technology, services, resources, timelines and costs by understanding complex product specifications, customer's business & technical requirements, service offerings.
- Key People Manager**, who is well accustomed in guiding and mentoring large teams in meeting organizational objectives.

## Work Experience

**Aug'16-Till Date | Mphasis Ltd., Bangalore as a Delivery Module Lead**

### Key Result Areas:

- Spearheading the development of a decentralized application (dApp) resulting in a significant increase in efficiency and reduction in operational costs.
- Developing, optimizing, and maintaining the back-end components of cryptocurrency or token based platform, ensuring high performance and security.
- Leading the successful execution of multiple Blockchain POCs, demonstrating the efficiency of Blockchain technology in solving real-time business, financial, trade, and commercial problems.
- Conducting unit testing to ensure the functionality & reliability of each module, designing and executing test cases, identifying and resolving any issues or bugs, and validating the overall performance of the system.
- Interfacing with clients for gathering business needs, finalizing technical / functional specifications and high level and Low Level design documents.


### Key Highlights:


- Partnered with clients and instituted new processes and world class solutions to improve financial efficiency of the Supply Chain members.
- Established an architect function to ensure ample focus on on-going activities and quality improvements on an architectural level in the existing code base.
- Collaborated with cross-functional teams to integrate blockchain solutions into existing systems, enhancing transparency as well as efficiency.


## Certifications


- Certification in Blockchain & Cryptocurrency from Indian Institute of Technology (IITM), Madras, and Pixeltests in June 2023.
- Corda Certified Developer from R3 Pvt. Ltd., in Oct 2019.
- Certification in Professional Communication from Globarena, Hyderabad, India, in 2005.
- P.G. Diploma in Computer Applications from A.P.E.L., Hyderabad, India, in 2001.

## Achievements

 Excellent track-record of contributing in the full stack development of an industry-first DTF(Deep Tier Financing) application based on Blockchain that extends the reach of financing across all levels of the supply chain, resulting in a significant increase in transparency and economic value for all parties.

 Played a crucial role as a Single Point of Contact of a project, recognized for achieving top-tier recognition and accolades for consistently providing innovative designs, architectures, estimations, and support services, ensuring robust planning and development.

 Designed, developed and demonstrated applications which resulted into winning multiple hackathons for Mphasis Ltd.

 Provided thought leadership and technical consulting in defining, implementing, ensuring, measuring and continuous improvement of DApp delivery along with quality standards, frameworks, practices and measurements.

### Jun'09-Aug'16 | Amiti Software Technologies (P) Ltd., Bangalore as a Principle Software Engineer

#### Key Result Areas:

- Provided best solutions by understanding complex product specifications and designing robust and complex n-tier web applications.
- Introduced advanced analytical skills to impress top leaders and business analysts, leading to the identification of exceptional gaps in product design.

### Jul'08-Mar'09| Marlabs Software Pvt. Ltd., Bangalore as a Software Engineer

#### Key Result Areas:

- Coordinated with cross-functional teams to guarantee successful project execution and client satisfaction.
- Ensured adherence to industry best practices and coding standards, resulting in high-quality software solutions.
- Conducted regular code reviews and provided constructive feedback to team members, fostering a culture of continuous improvement.

## Technical Skills

**Blockchain Technologies:** Blockchain, Cryptography, Corda, Ethereum, Hyperledger Fabric & Besu, Quorum, Solidity ^0.8.0, OpenZeppelin, Hardat, Truffle, Ganache, Multichain, NFT, DAO.

**Languages:** Java, SQL, PL/SQL, SPARQL / RDF Query Language / Semantic Query Language, NoSql, UML.

**J2EE:** Servlets, JSP, EJB 2.1, JSTL, JDBC, JMS.

**Web Services:** SOAP, RESTful.

**Frameworks:** Spring 3.0.2, Hibernate 3.2.1, Log4j, Junit, Castor.

**Browser-side Scripting/ Javascript Frameworks:** HTML, CSS, Java Script, XML, JSON, AJAX, JQuery, Prototype, Nodejs 12.22.10, Npm 6.14.12, Angularjs, Reactjs.

**Design Patterns / Architectures / Algorithms:** Singleton, Factory, Abstract Factory, MVC, DAO, Data Structures and Algorithms (DSA).

**Application Servers / Web Servers / Containers:** WebSphere 6.0, Tomcat 5.5/7.0.73, JBoss 4.0/5.2, Docker 18.03.

**DBMS / Database Servers / NoSql DB / RDF DB / Semantic DB:** Oracle 9i/10g/11g, MySQL 5.0/5.7, Cassandra, MongoDB, Redis, CouchDB, Stardog Semantic DB.

**Cloud:** Amazon Web Services (AWS) - EC2 (Elastic Compute Cloud - Cloud hosting service) Micro Instance.

**Other Tools:** Eclipse 3.0/3.2/Europa/Juno/Kepler/Mars, NetBeans 5.5/6.1, IntelliJ, SqlDeveloper 4.0, Visual Studio Code 1.60.0, TOAD, WinCVS, TortoiseSVN, Git 2.17.1, Bitbucket, SSHSecureShellClient-3.2.9, PUTTY, Ant, Maven 3.0.4, Gradle 5.6.4, Enterprise Architect, Selenium WebDriver, Agile Scrum.

**Operating Systems:** Windows 98/2000/XP/7/8/10, Unix, Linux - Ubuntu/RedHat.

## Annexure-Projects Executed

**Title:** Alta - Deep Tier Financing

**Organization:** Mphasis Ltd.

**Environment:** Blockchain, Corda, Hyperledger Besu (Ethereum based), Solidity ^0.8.2, OpenZeppelin, Hardat, Truffle, Ganache, Java/J2EE, Spring, RESTful webservices, Nodejs, Metamask, Reactjs, HTML, CSS, JavaScript, JSON, AJAX, XML, Sql, NoSql, Mysql, MongoDB, Gradle, Docker, MongoDB, Git, Bitbucket, Bitbucket Pipelines, Eclipse Juno/Kepler, SSHSecureShellClient-3.2.9 and Ubuntu 18.04.6.

**Role:** Blockchain Architect, Blockchain Developer, Full Stack Developer, Low Level Designer, Tester.

**Project Description:** An industry-first DTF platform that extends the reach of financing across all levels of the supply chain, creating transparency and economic value for all parties. Tokenization of approved payable invoices (assets) provides lower tier (MM/SME) suppliers with access to cheaper finance while generating greater economics and increasing transparency for all parties involved.

**Title:** NFT Marketplace

**Organization:** Mphasis Ltd.

**Environment:** Blockchain, Ethereum, Solidity, OpenZeppelin, Truffle, Hardat, Ganache, Nodejs, HTML, CSS, JavaScript, JSON, Gradle, Docker, Git, Bitbucket, VS Code,

## Personal Details

**Date of Birth:**10<sup>th</sup> August 1982

**Languages Known:**English, Telugu, Hindi, Kannada

**Address:** (WFH or Working Remotely)  
H.No: 6/96, Onipenta (post), Kadapa (dist), Andra Pradesh. Pin-516173.

SSHSecureShellClient-3.2.9 and Ubuntu 18.04.6.

**Role:** Blockchain Architect, Blockchain Developer, Full Stack Developer, Low Level Designer, Tester.

**Project Description:** A platform that enables users to buy, sell, and trade non-fungible tokens (NFTs). NFTs are unique digital assets that can represent ownership or proof of authenticity of a digital item, such as artwork, music, videos, collectibles, or virtual real estate.

**Title:** DAO Offering

**Organization:**Mphasis Ltd.

**Environment:** Blockchain, Ethereum, Solidity, OpenZeppelin, Truffle, Hardhat, Ganache, Node.js, Typescript, JavaScript, JSON, Gradle, Docker, Git, Bitbucket, VS Code, SSHSecureShellClient-3.2.9 and Ubuntu 18.04.6.

**Role:** Blockchain Architect, Blockchain Developer, Full Stack Developer, Low Level Designer, Tester.

**Project Description:** A Decentralized Autonomous Organization (DAO) is a type of organization that operates on blockchain technology and is governed by smart contracts. It allows for decentralized decision-making and eliminates the need for a centralized authority. The purpose of a DAO project can be crowdfunding, investment management, decentralized governance, or community-driven initiatives.

**Title:**OpenRisk - Openmargin - Semantic Smart Contract

**Organization:**Mphasis Ltd.

**Environment:** Blockchain, Hyperledger, Java/J2EE, Spring, RESTful webservices, HTML, CSS, JavaScript, JSON, AJAX, XML, NoSql, SQL, SPARQL, Gradle, Maven, Docker, Micro Services, Mysql, Redis, CouchDB, Stardog Semantic DB, Git, Bitbucket, Eclipse Juno/Kepler, IntelliJ SSHSecureShellClient-3.2.9 and Ubuntu 14.04.

**Role:** Low Level Designer, Blockchain Developer, Full Stack Developer, Tester.

**ProjectDescription:** AI-powered Smart Contract based Collateral and Liquidity Management. This project is partnered with CLS to help streamline negotiation and management processes for FX Contracts and Collateral in IBP.

**Title:** NBA-Huntings: Multiple Blockchain POCs

**Organization:**Mphasis Ltd.

**Environment:** Blockchain, Multichain Blockchain, HyperLedger Blockchain, Ethereum Blockchain, Quorum Blockchain, Corda Blockchain, Java/J2EE, HTML, CSS, JavaScript, JSON, AJAX, XML, SQL, PL/Sql, NoSql, SPARQL, Tomcat 7.0.73, Docker, Micro Services, Mysql, Redis, CouchDB, Stardog Semantic DB, Git, Bitbucket, Eclipse Juno/Kepler, SqlDeveloper 3.0, SSHSecureShellClient-3.2.9, Maven and Ubuntu 14.04.

**Role:** Low Level Designer, Blockchain Developer, Full Stack Developer, Tester.

**Project Description:** Researching on Blockchain technology and different vendors/platforms. Designing and developing different Use-cases/Proof-Of-Concepts and applications to prove the efficiency of Blockchain technology in solving real-time business, financial, trade, and commercial problems.