

# Lohith Kumar Reddy

Software Developer

lohithkumar@jobemails.net | (408) 990-3868 | USA | LinkedIn | Portfolio

## Summary

Software Developer with 3+ years of experience in designing and developing full-stack applications using the MERN stack (MongoDB, Express, React, Node.js). Adept at building scalable, cloud-based solutions with expertise in AWS, Azure, CI/CD pipelines, and modern authentication mechanisms (JWT, OAuth). Proficient in Agile methodologies and deploying high-performance applications in finance domains. Skilled in optimizing code for performance, security, and scalability.

## Technical Skills

- Programming Languages:** C, C++, Java, Python
- Frontend Technologies:** React, Redux, Next JS, HTML5, CSS3, Bootstrap, Material-UI, JQuery, Angular, JavaScript, TypeScript
- Backend Technologies:** Node.js, Express, RESTful APIs, GraphQL, MongoDB, PostgreSQL, JWT, OAuth, Microservices
- Cloud & DevOps:** AWS (EC2, S3, Lambda, Cognito, CodeDeploy), Docker, Jenkins, GitHub Actions, CI/CD, Kubernetes
- Database:** MongoDB, Amazon DynamoDB, PostgreSQL, MySQL, Redis, Cassandra, Snowflake
- Version Control:** Git, GitHub, Bitbucket
- Testing & Debugging Tools:** Jest, Mocha, Postman, JUnit, Selenium
- Other Tools:** Visual Studio Code, IntelliJ IDEA, AWS CloudWatch, Nginx, Apache Kafka
- App Development Skills:** Android Studio, Ionic Framework, Full-stack web development, SPA, Responsive Design, User Authentication, Real-time Data Sync

## Professional Experience

### Software Developer, JPMorgan Chase & Co.

01/2024 – Present | Remote, USA

- Designed and implemented a dynamic personal finance dashboard using React and Node.js, enabling users to track income, expenses, and savings with real-time data visualizations and customizable financial goals.
- Developed and integrated secure RESTful APIs with Express, allowing seamless communication between the front-end and back-end, ensuring secure data exchange and optimal performance across the platform.
- Utilized MongoDB for efficient storage of user financial data, providing fast data retrieval and ensuring data consistency with schema design and indexing strategies to handle growing user demands.
- Implemented real-time data synchronization for live spending tracking and budget updates, leveraging WebSockets for seamless communication and ensuring users receive accurate updates without page reloads.
- Deployed the system on AWS EC2 for scalable cloud infrastructure, used AWS S3 for secure file storage, and integrated load balancing, ensuring high availability, 99.9% uptime, and seamless user experience globally.
- Scripted and maintained unit and integration tests using Jest and Mocha to ensure code reliability, while automating the deployment process with Jenkins and implementing CI/CD pipelines for rapid feature releases and continuous delivery.

### Solutions Architect Intern, Amazon Web Services (AWS)

05/2023 – 08/2023 | Seattle, WA, USA

- Spearheaded the development of a management and admin console using Typescript, React, Amazon S3, AWS Lambda, API Gateway, and DynamoDB, optimizing resource utilization and enabling seamless scalability.
- Collaborated with cross-functional teams to gather business requirements, ensuring a 75% efficiency improvement in project outcomes through clear communication and high standards.
- Implemented cloud-based solutions with a focus on automation and scalability, enhancing overall system performance and employee productivity.
- Delivered regular updates to stakeholders, ensuring alignment with project goals, timelines, and performance benchmarks.

### Software Engineer, LTI Mindtree

05/2020 – 08/2022 | Mumbai, India

- Designed and developed the front-end of the finance app using React, ensuring responsive UI/UX to provide a seamless user experience across devices. Integrated React Hooks and Context API for efficient state management.
- Implemented back-end services using Node.js and Express, designing RESTful APIs for user authentication, transaction management, and data retrieval, ensuring scalability and high performance of financial data processing.
- Utilized MongoDB for efficient data storage, modeling user financial data and transaction history while ensuring data consistency and security, meeting GDPR and privacy compliance standards.
- Integrated third-party APIs for real-time transaction tracking, budgeting, and automated expense categorization, enabling users to manage and monitor their finances efficiently. Used Axios for smooth data flow between front-end and back-end.
- Built a dynamic reporting module using Chart.js for generating financial summaries, monthly reports, and visual analytics, allowing users to track expenses and savings trends over time.
- Employed JWT authentication for secure login and role-based access, ensuring user data privacy and safeguarding sensitive financial information, adhering to industry security best practices.
- Conducted broad testing using Jest and Mocha for unit and integration tests, ensuring app stability. Set up CI/CD pipelines using Azure DevOps for automated testing, builds, and deployments to Azure App Services for smooth production releases.

## Education

### Master of Science, San Jose State University

08/2022 – 05/2024 | San Jose, CA, USA

Software Engineering

### Bachelor of Technology, VNR Vignana Jyothi Institute of Engineering and Technology

08/2017 – 08/2021 | Hyderabad, India

Computer Science and Engineering