

# VISHNU SRI RANJAN D.R.

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## CAREER SUMMARY

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Results-driven Software Engineer & Developer with over 4 years of experience in designing, developing, and optimizing scalable, end-to-end software solutions. Passionate about creating robust backend systems, leveraging cloud technologies, and delivering high-performance applications that process billions of messages daily. Proven ability to collaborate across cross-functional teams, ensure code quality, and drive technical excellence.

## PROFESSIONAL EXPERIENCE

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**Software Engineer & Developer** | Zibtek | Salt Lake City (US) & Bengaluru (IN)

**Dec 2019 - Aug 2023**

- Designed and maintained scalable, event-driven **backend** systems using **Node.js**, **Redis**, and **MongoDB**, achieving a 15% latency reduction in high-traffic applications.
- Developed robust database models (**SQL** and **NoSQL**), implemented **indexing** techniques, and **horizontally** scaled databases, enhancing data integrity and query performance.
- Created and optimized **REST** APIs for seamless integration, supporting cross-platform applications and increasing workflow efficiency by 30%.
- Developed **reusable UI** components and object-oriented programming solutions by leveraging popular frontend frameworks such as **Angular** and **TypeScript**, ensuring scalable, modular, and maintainable application architectures.
- Spearheaded code reviews, mentoring a team of junior developers across multiple projects. Advocated for best practices and ensured high-quality deliverables.
- Delivered **CRM** platforms with advanced **analytics**, **payment processing**, and **data visualization**, supporting over 10,000 active users.
- Built dynamic drag-and-drop template builders, **custom widgets**, and **image rescaling** improving user efficiency by 25%.
- Automated **CI/CD** pipelines with **Docker** and **Jenkins**, reducing deployment times by 40%.
- Integrated Firebase for **A/B testing**, enabling data-driven decisions and **improved UI optimization processes**.

**Fellowship Software Developer** | BridgeLabz | Mumbai (IN)

**Jan 2019 – Dec 2019**

- Engineered a **real-time chat application** using **AngularJS**, **Socket.IO**, **Node.js**, and **Firebase**, increasing user activity by 50%.
- Proficient in working with and debugging core Java applications, while providing mentorship and technical support to junior developers. Integrated third-party services such as **Stripe**, **Twilio**, & **Zapier**, & deployed **hybrid microservices** on **cloud**.
- Streamlined legacy codebases, reducing bugs by **20%** and enabling faster feature deployments.

## SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, HTML, CSS, Python, Java, PHP, C++

**Frameworks/Libraries:** Angular(v6+), React.js, Node.js, Express.js, Laravel

**Databases:** MySQL, MongoDB, DynamoDB, Redis

**Tools:** Docker & Kubernetes, CI/CD (GitHub Actions), AWS (EC2, S3, Lambda, API, Cognito, Athena, SES), Firebase

**Testing:** Mocha, Jest, Jasmine, Chai

## PROJECT HIGHLIGHTS

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### Fundoo - Note-Taking Application (*MEAN Stack, Docker, EC2, S3*) - [Demo](#)

- Built a **full stack** note management system akin to Google Keep, with retrieval through Redis Cache and sketch.

### EduConnect (*Angular, AWS Lambda, MongoDB, DynamoDB, RDS*)

- Designed and implemented a scalable **microservices application** for managing student-teacher interactions, professor reviews, and pantry services, with each service leveraging a tailored database solution.

### Toward Robust Microservice Authentication (*Laravel, OAuth 2.0, AWS Cognito*)

- Built a secure application with **role-based access** controls using **AWS Cognito**, ensuring robust API security.

### Data Privacy using GAN models (*PyTorch, Python*)

- Engineered GANs for data privacy applications, demonstrating proficiency in secure data modeling, & privacy preservation.

### Thumbnail Generator (*Python, Docker, GCP*)

- Developed an automation tool for generating thumbnails across diverse file types to streamline image processing for multi-resolution websites.

## EDUCATION

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**Rutgers Business School | Newark, NJ**

**Sep 2023 – Dec 2024**

*Master of Information Technology and Analytics | GPA: 3.8 / 4.0*

**Coursework:** Advance Database Systems, Information Security, Intro to Data Structures, Business Forecasting, Data Privacy, Intro to Software Development, Data Analysis & Visualization, Data Mining, Algorithmic Machine Learning

## LANGUAGES

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English, Telugu, Kannada, Tamil, Hindi