

# Rahul Vashishtha

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## SUMMARY

Accomplished Tech Lead with 7 years of experience driving engineering teams to deliver scalable, maintainable, and high-performance software solutions. Proven track record in full-stack development, software engineering, project management, and customer-centric innovation. Adept at leveraging cutting-edge technologies to achieve business goals.

## WORK EXPERIENCE

### Aristocrat Technologies India Pvt. Ltd.

*Tech Lead*

**Gurugram**

*March 2023 - Present*

#### Projects:

- **Slot Gaming Framework Enhancement:** Enhanced the existing slot gaming framework by optimizing algorithms and refactoring code, increasing system efficiency by 15% and boosting user engagement.
- **Game Project Management:** Managed multiple game projects using Agile methodologies, ensuring optimal delivery and performance, reducing bug rate by 20%, development time by 30%, and release time by 80%.
- **Gaming Team Leadership:** Led gaming teams in delivering well-tested games through rigorous testing processes, enhancing user experience and boosting player retention by 25%.
- **Server-Side Optimization:** Implemented modern JavaScript frameworks (React, Vue) and optimized server-side performance using Java and Spring Boot, reducing server response times by 30%.

**Tech Stack:** JavaScript/Typescript (React, Vue), Java, Spring Boot, PixiJS, NodeJS (NestJS, Fastify/Express), MongoDB, PostgreSQL, Docker, AWS, Gitlab CI/CD, Prisma..

### Rinnegan Industries Pvt. Ltd.

*Tech Lead*

**Gurugram**

*November 2022 - February 2023*

#### Projects:

- **Cloud-Based Products:** Led multiple teams in building next-generation cloud-based products using Kubernetes and Docker, achieving 99.9% uptime and significantly reducing downtime costs.
- **High-Volume Transactions:** Launched products handling over 200 Cr transactions annually by implementing robust encryption and optimization techniques, enhancing transaction security and efficiency.
- **Scalable Web Applications:** Designed scalable web applications using microservices architecture and load balancing techniques, handling 100K daily users with limited resources and increasing user capacity by 40%.
- **Testing Frameworks Implementation:** Implemented modern testing frameworks (e.g., Jest, Mocha) and continuous integration practices, improving code quality and maintainability, reducing post-release issues by 35%.

**Tech Stack:** Typescript/Javascript (Vue), Nodejs (Nestjs with Fastify), Docker, MongoDB, Postgres, Golang, AWS/Digital Ocean, Github Actions, Prisma.

**CILA Incubator Pvt. Ltd. (Project 10K)**  
*Senior Software Engineer*

**Remote**  
*December 2021 - October 2022*

**Projects:**

- **Mobile and Web Applications:** Led a team of 10+ members in launching multiple mobile and web applications using Agile methodologies and continuous deployment, increasing user base by 30% and revenue by 20%.
- **Scalable Architectures:** Designed scalable architectures with load balancing and distributed computing techniques, handling 1 million daily user traffic and ensuring seamless performance.
- **Full-Stack Solutions:** Developed full-stack solutions using TypeScript, Prisma with PostgreSQL, Vue.js, and Node.js, incorporating performance optimization techniques, boosting application performance by 25%.
- **Customer-Centered Solutions:** Collaborated with product and design teams to implement customer-centered solutions using user feedback and iterative design processes, resulting in a 15% increase in user satisfaction.

**Tech Stack:** Typescript/Javascript (Vue, Quasar), Nodejs (Nestjs with Fastify), Docker, MongoDB, Postgres, Golang, Gitlab CI/CD, Cloud functions, Prisma.

**Ingenuity Gaming Pvt. Ltd.**  
*Senior Game Developer & Researcher*

**Noida, UP, India**  
*February 2020 - December 2021*

**Projects:**

- **Internal Tools and Gaming Engine:** Developed internal tools and a gaming engine using JavaScript and C#, currently handling 250+ games worldwide and reducing development time by 50%.
- **3D Gaming Engine:** Designed and developed a 3D gaming engine and framework using OpenGL and Unity, enhancing graphical performance by 30%.
- **Performance Optimization:** Optimized gaming performance using best practices in JavaScript, TypeScript, and C#, implementing lazy loading and memory management, increasing game load speeds by 25%.

**Tech Stack:** Typescript/Javascript (Vue & React), Nodejs, Docker, MongoDB, Postgres, Golang, Pixijs & C#

**Rinnegan Technologies Pvt. Ltd.**  
*Tech Founder*

**Ghaziabad, UP, India**  
*December 2017 - December 2019*

**Projects:**

- **IoT Solutions:** Led a team of 6+ IoT Engineers in developing IoT solutions using Node.js and C++, and managed business development, achieving a 70% profit margin.
- **Project Delivery:** Successfully delivered 20+ IoT projects using Agile methodologies and continuous client feedback, improving client satisfaction and retention by 50%.
- **System Optimization:** Developed IoT solutions using Node.js, C++, and microservices architecture, implementing asynchronous processing and edge computing, reducing system latency by 20%.

**Tech Stack:** Typescript/Javascript (Vue), Nodejs, Docker, MongoDB, Postgres, SQL, Golang, C#.

## EDUCATION

**ABES Institute of Technology (APJ Abdul Kalam Technical University)**

**Ghaziabad, UP, India**

*Information Technology/Bachelors of Technology (70%)*

*June 2019*

- National Level Gold Medalist in Software Development by UPCST - 2016
- Headed the IT Club handling all the development and coding activities.
- Runner up in Bigdatathon, a big data hackathon in 2017.
- Developed an advanced AI program during school in 2014-15, winning several inter-school & inter-university competitions.

## SKILLS

- **Technical Proficiencies:** JavaScript (ES6), TypeScript, Java, PHP, C#, including extensive experience with frameworks like Vue.js, Node.js, and .NET, Golang.
- **Frontend:** Vue.js, React.js, Next.js, HTML5, CSS, WinForms, WPF
- **Backend:** Node.js, Nest.js, REST API, GraphQL, Spring Boot, Microservices
- **Database:** MongoDB, PostgreSQL
- **Framework and Libraries:** Quasar, TailwindCSS, Express, Fastify, Parse Platform, .Net
- **ORM:** Prisma
- **Cloud Services:** AWS, DigitalOcean, Azure
- **Other Technologies:** Phaser, PixiJS
- **Soft Skills:** Strong organizational skills, team leadership, project management, collaboration, mentorship

## LINKS

### Website

- Portfolio Website: <https://rahulv.dev>
- Blog: <https://rahulv.dev/blog>
- Project Website: <https://mini-tools.org>
- Open Source Project: <https://inspira-ui.com>

### Github

- Personal Github Profile: <https://github.com/rahul-vashishtha>
- Open Source Github Profile: <https://github.com/rahulv-official>

### Stack Exchange:

- Stack Exchange (Total Rep: 912): <https://stackoverflow.com/users/4429338/rahul-vashishtha>
- Stack Overflow (Rep: 708): <https://stackoverflow.com/users/3606825/rahul-vashishtha>

### NPM Packages:

- Secure Random Number Generator: <https://www.npmjs.com/package/@rahulv.dev/rng>
- Weighted list for random selection: <https://www.npmjs.com/package/@rahulv.dev/weighted-list>