

RAHUL JOSHI

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 LinkedIn |  GitHub

Gurugram, India

PROFILE SUMMARY

Experienced Node.js Developer with nearly 3 years of expertise in **building scalable APIs**, microservices, and real-time applications. Skilled in modern JavaScript frameworks, delivering **efficient and high-quality software solutions**.

EXPERIENCE

• C-Zentrix

Software Engineer

Feb 2022 - Present

Gurugram, Haryana

- **Designed and developed** scalable APIs, microservices, and real-time applications using **Node.js and JavaScript**, ensuring high performance and reliability.
- **Integrated Single Sign-On (SSO)** solutions to enhance application security and streamline user authentication processes.
- **Optimized and refactored** legacy **PHP applications**, improving scalability and reducing technical debt.
- **Collaborated with cross-functional teams** to deliver new features and improve system architecture, aligning with business goals.
- **Utilized cutting-edge tools** and frameworks, including **Express.js, TypeORM, and SQL/MongoDB**, to deliver robust and maintainable backend solutions.
- **Contributed to code reviews**, debugging, and deployment processes, maintaining high-quality standards and reducing bugs in production.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, PHP
- **Web Technologies:** HTML5, CSS3, Node.js, Express.js, NestJS
- **Database Systems:** SQL, MongoDB, TypeORM
- **Version Control:** Git, GitHub
- **Operating Systems:** Ubuntu, CentOS, AlmaLinux

PROJECTS

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Authentication and Authorization API

Technologies Used: Node.js, Express.js, MongoDB, JWT, Mongoose



- * Developed a **role-based authentication and authorization API**, enabling **admins to manage associated records** and **users to access their own data**.
- * Implemented secure, stateless user sessions using **JWT-based authentication**.
- * Designed scalable RESTful endpoints, optimizing for performance and security.
- * Utilized **Mongoose ODM** for efficient database interaction with MongoDB.
- * Conducted **extensive testing and debugging** to ensure API reliability and security.

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User Lockout Policy

Technologies Used: PHP, JavaScript, HTML5, CSS3, MySQL

- * Developed a **User Lockout Policy** to protect systems from brute-force attacks by **temporarily locking accounts** after a set number of failed login attempts.
- * Implemented **backend APIs with PHP and MySQL** to manage user authentication and lockout behavior.
- * Designed a **frontend interface with HTML5 and CSS3** for displaying lockout messages and retry countdowns.
- * Configured **lockout thresholds** to specify the maximum number of failed attempts before account lockout.
- * Defined flexible **lockout durations** ranging from minutes to hours to prevent unauthorized access.
- * Conducted **security testing** to ensure effectiveness against brute-force attacks while minimizing inconvenience to legitimate users.

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SSO Integration

Technologies Used: PHP, JavaScript, HTML5, CSS3, MySQL, SAML, Identity Providers

- * **Integrated an application with Single Sign-On (SSO)** to streamline user authentication and enhance security.
- * **Configured identity providers** and implemented **SAML protocols** for secure authentication.
- * **Designed seamless workflows** for users to authenticate across multiple platforms with a single login.
- * Ensured compliance with **enterprise-grade security standards** during integration.
- * Conducted **testing and debugging** to guarantee smooth and reliable SSO functionality.

EDUCATION

- **Gurukul Kangri Deemed to be University** 2018 - 2021
Master of Computer Applications Haridwar, Uttarakhand
* CGPA: 7.77/10.00
- **Gurukul Kangri Deemed to be University** 2015 - 2018
Bachelor of Science Haridwar, Uttarakhand
* CGPA: 7.03/10.00
- **Saraswati Vidya Mandir** June 2015
Higher Secondary Certificate Haridwar, Uttarakhand
* Grade: 71.6%
- **Saraswati Vidya Mandir** June 2013
Secondary School Certificate Haridwar, Uttarakhand
* Grade: 85.4%

CERTIFICATIONS

- **TypeScript: The New JavaScript for Web Development Certification** 2024
- **Git Tutorial Certification** 2023
- **The Complete Node.js Developer Course Certification** 2022