

# Roshan Kumar

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## SKILLS SUMMARY

- **Backend Development** .Net (Core & ASP.NET), Spring Boot, Node.js
- **Web Development** React, Next.js, Tailwind, Bootstrap, jQuery
- **App Development** Flutter, Kotlin
- **Languages** C++, Java, C#, Python, JavaScript, TypeScript, HTML, CSS
- **Databases** MySQL, DynamoDB, Firestore
- **Cloud Services** AWS (Route53, CDN, Lambda, S3, LBs), ELK Stack, Redis
- **Tools & Platforms** New Relic, Kibana, Git, Jira, Postman, Android Studio, VS Code, Visual Studio

## WORK EXPERIENCE

### SOFTWARE ENGINEER | LEADSQUARED

May 2022 - Present

- Developed and maintained scalable and secure backend services using C# .Net, Java, MySQL, Redis and AWS as a Full-stack developer. Optimized API performance by **20-30%**, ensuring high reliability and scalability of services.
- Engineered high-performance web applications using React, Tailwind, & Node.js, enhancing frontend speed and UX. Optimized SDKs, **boosting portal performance by 60%**.
- Optimized infrastructure usage through cleanup services, reduced AWS & DB costs by **10%**.
- Enhanced the logging mechanism by integrating ELK (Elasticsearch, Kibana), enabling faster root cause analysis and reducing debugging time by **40%**.
- Assisted in troubleshooting and debugging issues across all modules, ensuring **100%** adherence to coding standards and robust security practices, which reduced system errors & fatals by **30%** with help of tools like SonarLint and ESLint.
- Investigated and resolved complex technical issues reported by clients, achieving **98% customer satisfaction rate** through prompt and effective solutions.

### SOFTWARE ENGINEER INTERN | REDBASIL

Apr 2021 - May 2022

- Developed robust applications using Flutter as frontend, Node.js, Java & Python Flask as backend, and Firebase & GCP for scalable cloud solutions to handle large scale of B2B consumption as a Full-stack developer intern.
- Implemented secure Order, Cart, and User Management systems across **3-4 major** frontend and backend applications using Firebase security rules to insure database & cloud storage integrity.
- Utilized Pub-Sub mechanism for reliable message delivery and event handling, supporting in **2 multi-lingual** Catalog Management systems, enhancing message delivery efficiency by **40%**.
- Established Webhook support within the Razorpay Payment Gateway integration, streamlining transaction handling processes which resulted in a **60-70% reduction** in payment reconciliation discrepancies and improved reporting accuracy by **40%**.

## PROJECTS

### Job Lister - Web App | Laravel, Bootstrap, MySQL, Google Auth

Mar 2022 - Apr 2022

- Developed a platform for employers to post job openings and for job seekers to search and apply.
- Integrated advanced search filters, job management, and secure authentication via Google Auth.

### ProbDiscuss QnA - Web App | Angular, Bootstrap, Firebase, Node.js, Algolia, Google Auth

Oct 2021

- Developed a dynamic QnA platform for professionals and students, enabling collaborative problem-solving through community-driven discussions.
- Integrated a powerful search system for quickly finding relevant questions, answers, and discussions.

### Sortlizer (Sorting Visualizer) - Mobile App | Flutter

May 2021 - June 2021

- Developed an app with interactive visualizations of sorting algorithms to enhance understanding and compare performance in real-time.
- Included detailed explanations and educational content to support users in mastering sorting algorithms.
- Published on Google Play Store, achieving **1K+ downloads** with a **5-star rating**.

### Personal Assistant Chatbot - Desktop App | Python, Tkinter, OpenCV

Sept 2020 - Oct 2020

- Developed a versatile virtual assistant capable of handling both voice and text input, providing a seamless user experience.
- Integrated advanced features such as image search, web automation, and interactive mini games, enhancing user engagement and utility.
- Implemented OpenCV-based facial recognition for secure access, ensuring a personalized and secure user environment.

## EDUCATION

### Lovely Professional University, Punjab, India

2019 - 2023

Bachelor of Technology, Computer Science & Engineering, CGPA: **8.62**

## HONORS & AWARDS

- **3<sup>rd</sup>** Rank at **CodeEd** Online Hackathon conducted by HackerEarth (Competed against **2000+** participants) Nov, 2020
- **1<sup>st</sup>** Rank at **WebMania 3.0** College Event (Competed at college level against **20+** teams) Mar, 2020
- **2<sup>nd</sup>** Rank at **COFAS** International Computer Event (Competed against **30+** international schools) Oct, 2018