

Ravindar Singh Rathaur

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ACADEMIC DETAILS

B. Tech (Information Technology)	2021	Institute of Engineering and Technology Lucknow	8.38/10.0
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SKILLS

Fundamental: Data Structures & Algorithms, Problem-solving, Object-Oriented Programming, Operating System, DBMS

Programming Languages: C, C++, JavaScript

Software etc: VS Code, Git, Github, Lxc, Prometheus, Podman, eBPF, Containers

Databases: MySQL, MongoDB

Web-Development: HTML, CSS, ReactJS, AWS, Actix-web, WebSocket,

TRAINING & EXPERIENCE

1. Software Developer at Mizzle Cloud Pvt Ltd Jul 2024– Present

- Engineered APIs using Rust for network traffic blocking with eBPF, enhancing security at the kernel level.
- Developed APIs for detailed system information retrieval, improving server monitoring and management.
- Developed process management APIs for Linux servers, streamlining operations with start, stop, and monitoring capabilities.
- Developed APIs for system and process metrics collection, enabling Prometheus-based observability.
- Designed APIs to manage container lifecycle operations using Podman, including creation, logs, and removal.
- Implemented APIs for container-level metrics collection, boosting scalability and performance.
- Developed APIs for container snapshots, supporting cloning, copying, and deletion workflows.
- Skills: Rust, eBPF, Actix-Web, Back-End Development, Podman, LXC, Prometheus, Linux Servers, Software Infrastructure, React.js, HTML5, CSS.**

2. Software Development Engineer - II at Systango Technology Jan 2024 – Jul 2024

- Engineered an API feature to integrate UUIDs for transaction processes and user management in a distributed wallet system.
- Created and optimized test cases for deposit and transfer functionalities within the distributed wallet system.
- Skills: Rust, Actix-Web, Diesel, PostgreSQL, Docker, Back-End Development.**

3. Software Development Engineer - I at Surya Fintech Pvt Ltd Dec 2021 – Jan 2024

- Implemented LCR classification to categorize customers effectively.
- Developed high-performance data analytics programs to process core banking data, enabling detailed cash flow and capital analysis across enterprises. Leveraged Rust for memory-safe, efficient data aggregation and management.
- Utilized Protocol Buffers for efficient serialization of structured data, optimizing space and time during large dataset processing.
- Reduced runtime of customer data preprocessors by up to 80% through optimized hashing algorithms.
- Built a health check report generator for Oracle and MSSQL databases, reducing manual effort by 50%.
- Skills: Rust, Oracle SQL, MSSQL, Protocol Buffers, Shell Scripting, Data Analytics.**

4. Cloud Computing Inter at Softpro India Computer Technologies Pvt Ltd Nov 2020 – Dec 2020

- Gained foundational knowledge of cloud computing and hands-on experience with AWS services.
- Practiced launching and managing cloud instances using EC2, ECS, ELB, EBS, S3, VPC, IAM, SQS, RDS, Lambda, CloudWatch, and Elastic Beanstalk.
- Hosted a serverless website using AWS Lambda, S3, and API Gateway.
- Skills: AWS Cloud Services, Serverless Architecture, Cloud Infrastructure Management.**

PROJECTS

1. CRUD App: [Link](#)

- Performed four basic Database operation (create, read, update, delete) by using the MongoDB database.
- Tech Used: -MERN stack.**

2. Movie App: [-Link](#)

- Fetches the Data from movie Api.
- Implemented the add movies & add favorite movie feature.
- Implemented the Search Movies Feature.

- Tech Used: **ReactJs**.

3. Chat App: [Link](#)

- Implemented the group chatting by using the firebase Realtime Database.
- Implemented the user authentication through firebase Authentication.
- Tech used: -**ReactJs, Firebase**.

4. Ppt Generator: [Link](#)

- Filtered and resized the images by ctype package,
- Added a logo to the large quantity of given images by wand package.
- Created the ppt's on the basis of the images and data are given.
- Tech Used: **python, packages (ctype, wand), MagicWand**.

ACHIEVEMENTS

- **Code Gladiators 2020 & 2021 shortlisted for semifinal** [Link](#)
- **NPTEL: Object Oriented Analysis and Design Score (80/100)** [Link](#)
- **4 Star** Rating in Problem Solving on **Hacker-Rank** [Link](#)

POSITION OF RESPONSIBILITY

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|---|-------------------------|
| ▪ Volunteering in international level fest – Def-Expo 2020 Lucknow | Feb – Feb 2020 |
| ▪ Member Organizing Team, Encore the Annual Cultural Fest of IET | Feb - April 2019 |