

AMAN SINGH RAWAT

Software developer | Full stack developer

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EXPERIENCE

SDE Intern

Amazon 01/2025 - 06/2025 Bengaluru

Tech Stack: Java, AWS (SNS, SQS, Lambda), Docker, Microservices, CI/CD, System Design

- Engineered a document difference evaluator that **cut verification overhead by 65%**, saving **\$80/sec** and significantly reducing operational costs.
- Implemented region-aware database routing across **global microservices**, enhancing **workflow consistency by 30%** and reducing seller pipeline latency worldwide.
- Migrated **legacy modules** to **Java-based AWS microservices** using **Lambda, SNS, and SQS**, enhancing system resilience by 45% and accelerating deployment cycles.
- Built and deployed **Carnival Monitor**, providing bake-time insights post-deployment and ensuring operational visibility when the team is offline.
- Directed complete testing cycles and **built real-time metric dashboards**, enhancing operational transparency and reducing verification errors by **40%**.
- Authored API documentation and operational run books, **shortening onboarding time by 35%** and improving troubleshooting efficiency across teams.

SDE Intern

GeoSolutions India 09/2024 - 12/2024 Gurugram

Tech Stack: React.js, Node.js, TypeScript, Web GIS, Cesium JS, OpenLayers

- Directed a defense-focused Web GIS initiative, delivering **25% revenue growth** through advanced 2D/3D Cesium JS and OpenLayers visualizations.
- Optimized processing of **large-scale geospatial datasets** (vector/raster), enabling **real-time tactical overlays** and improving mission-critical analytics accuracy by **40%**.
- Authored integration workflows and **standardized API playbooks**, reducing **future GIS deployment time by 30%** and ensuring seamless scalability.

EDUCATION

B.Tech - Computer Science

Maharaja Agrasen Institute of Technology

08/2021 - 06/2025 Delhi

- Ranked in **Top 20 students** in 3rd year

CGPA
8.8 / 10

PROJECTS

Activity Tracker (Chrome Extension)

Tech Stack: React.js, Ruby on Rails, MongoDB | [Git Repo](#) | [Demo](#)

- Developed a Chrome extension to monitor site visits, enforce usage-based timeouts, and block distractions, improving productivity.
- Built Rails backend with REST APIs, storing user activity efficiently in MongoDB and local storage for fast retrieval.

My Developer Portfolio

Tech Stack: React.js, React Bootstrap | [Git Repo](#) | [Live](#)

- Created a responsive personal portfolio optimized with SEO best practices, achieving 95+ Google Lighthouse scores in performance and accessibility.
- Implemented modular React components and reusable styling patterns, enhancing maintainability and cross-device responsiveness.

Work Orbit

Tech Stack: React.js, Vite, TypeScript, Node.js, Tailwind, PostgreSQL, Redis | [Git Repo](#)

- Engineered backend for task tracking platform with OTP login, email triggers, workspace-user mapping, and hierarchical task management.
- Designed multi-tenant responsive UI with role-based permissions' architecture, ensuring seamless user workflows and operational efficiency.

SUMMARY

Software Developer with hands-on internship and project experience in full-stack and backend development. Proficient in Java, C++, JavaScript, TypeScript, React.js, Node.js, PostgreSQL, MongoDB, and AWS microservices. Successfully reduced verification overhead by 65% at Amazon, saving \$80/sec through scalable backend solutions. Experienced in building Web GIS defense applications and productivity tools, leveraging cloud-native architectures, REST APIs, and responsive UI frameworks. Strong foundation in DSA, OOP, Agile, and CI/CD pipelines. Targeting roles as Software Developer, Full Stack Developer, Backend/Frontend Engineer, or Java Developer.

KEY ACHIEVEMENTS



Cleared 3 rounds of Amazon Hackathon, securing SDE interview.



Winner, Coding Ninja Secret Cipher among 200+ competitors.



Solved 200+ LeetCode problems, specializing in graph algorithms.

SKILLS

Programming Languages

Java, C++, JavaScript, TypeScript, Python, SQL, HTML5, CSS3

Web & Application Development

React.js, Next.js, Node.js, Express.js, Redux, TailwindCSS, Bootstrap, Vite, Ruby on Rails, REST APIs Microservices

Cloud & DevOps

AWS Lambda, AWS SQS, AWS SNS, CI/CD Pipelines, GitHub Actions, CloudWatch, API Gateway

Databases & Storage

PostgreSQL, MongoDB, DynamoDB, Redis, My SQL

Software Engineering & Tools

System Design, OOP, Data Structures & Algorithms, OS, DBMS, Agile Methodologies, Code Review, Technical Documentation, API Playbooks, Debugging, Performance Optimization, A/B Testing

Frontend & Visualization

Cesium JS, OpenLayers, Responsive Design, SEO Optimization, Accessibility Standards, UI/UX Design, Data Dashboards, Real-time Analytics