AMAN SINGH NEGI

Software Engineer
amnegi417@gmail.com | +91 7717374653
Chandigarh, India
GitHub | LinkedIn | LeetCode |

Summary

Dedicated software engineer specializing in **full-stack development** with expertise in **Java**, **SpringBoot**, **Angular**, and **AWS**. Skilled in building **scalable systems**, including **Asynchronous applications**, **messaging services**, and **notification systems**. Known for **problem-solving**, **collaboration**, and delivering **high-quality solutions**.

EDUCATION

DAV College   Chandigarh (India)
Bachelor's degree (Bachelors In Computer Application)   july 2019 - july 2022
Percentage: 72.7

EXPERIENCE

WorkVEU | Software Engineer   Onsite | Aug 2023 - Present

- Developed and optimized backend solutions for WorkVEU Real-Estate CRM and integrated **Redis caching** to reduce API latency and improve **Database efficiency**.
- Managed and maintained Linux-based production servers supporting **5,000+ active users**, ensuring high availability and performance through proactive monitoring and troubleshooting via **MobaXterm** and **SSH**.
- Implemented **real-time notifications** using **WebSockets** and handled **asynchronous** operations through **Java concurrency** utilities, and managed a custom **SMTP server** for email services.
- Monitored system performance and optimized code, and implemented **Reverse Proxy Server** with Nginx.
- Led efforts to improve **scalability**, **security**, and **performance** across projects, reducing operational costs by 20%.
- Developed **responsive user interfaces and interactive dashboards** using **Angular**, focusing on user-centric design.
- Designed and developed a responsive WorkVEU **CRM desktop app** using **JavaFx**, improving agent productivity through seamless property listings, lead tracking, and payment management.

Klocrix Buisness Solution | Backend Developer   Mohali, India | Jan 2023 - Aug 2023

- Architected and optimized **Rest API's** using **Java**, **Spring**, **MongoDB** etc.
- Developed RestFul API's with **Servlets**, **JSP**, and **JDBC**.
- Enhanced system performance and ensured **security** and **data protection**.
- Upgraded MongoDB to the latest stable version, ensuring backward compatibility, improved performance, and security enhancements.
- Collaborated with cross-functional teams and maintained documentation.

SKILLS

Programming:	Java, C++, Problem Solving, Data Structures and Algorithms, JavaScript, TypeScript
Frontend:	HTML, CSS, JavaScript, Angular
Backend:	Spring Boot, Spring MVC, Hibernate, JPA, RESTful APIs, Microservices Architecture, SQL queries, NoSQL, SQL, RDBMS, WebSocket, Server-Side Events, Apache
Tools and Technologies:	JavaFX, Postman, Linux, Jira, Firebase, Git, GitHub, GitLab
Databases:	MongoDB, MySQL, Redis
Cloud Platforms:	Amazon Web Services (AWS)
	– EC2, S3, Redis Pub/Sub, SQS, SES, Lambda, Microservices, Elastic Container Service (ECS)
System Design:	High-Level Architecture, Scalability, Security Practices, Performance Optimization
Additional Skills:	Continuous Integration, Continuous Deployment (CI/CD), Networking Protocols, Design Patterns

PROJECTS / OPEN-SOURCE

StudyBuddy – Gamified Productivity App *Spring Boot*, *Java*, *MySQL*, *JWT*, *WebSocket*, *Docker*, *AWS (EC2, RDS)*, *Email Service*, *Redis*

- Engineered a scalable, gamified productivity platform to help users **create, track, and complete tasks** with real-time collaboration.
- Designed and implemented **secure REST APIs** using **Spring Boot**, integrating **JWT-based authentication** and role-based access control.
- Built **real-time notification system** using **WebSocket** and scheduled task reminders with email alerts.
- Integrated **MySQL** and **Redis** for efficient data access and caching, optimizing response time by over 30%.
- Containerized the application using **Docker** and deployed on **AWS EC2 and RDS** for scalable cloud infrastructure.

TroopVerse – Group Based Chat Application   *Java*, *Spring Boot*, *JWT*, *MongoDB*, *AWS*, *Redis*, *MySQL*

- Developed a scalable group chat and collaboration platform enabling users to create or join "troops" (groups), assign tasks, and track productivity.
- Designed and implemented secure authentication and authorization using **JWT** and Spring Security, ensuring role-based access control.
- Built RESTful APIs using **Spring Boot** and integrated with a responsive.
- Integrated an **asynchronous notification system** for group invites, messages using `Async` and `CompletableFuture`.
- Architected the system for modularity and future scalability, including potential for **WebSocket**-based chat and gamified troop-level battles.

CERTIFICATIONS

- Fundamentals Of Programming - PEC
- Java Basic to Advance - Apna College
- SQL Certification - **Hacker Rank**

ACHIEVEMENTS

- Volunteered in organizing coding quizzes and tech events during college.
- Regularly practiced data structures and algorithms to strengthen core programming and problem-solving skills across platforms.