UDAY SHARMA

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Education

Bachelor of Technology, Computer Science   **2019 – 2023**
Panjab University | *Chandigarh, India*   **CGPA: 8.48**

Experience

Associate Software Engineer   **10/2023 – Present**
OSI Systems | Hyderabad, Telangana

- Designed and enhanced core features for 3 enterprise client releases, and supported migration to secure, resilient microservices, aligning with SOA and data driven architecture.
- Refactored legacy code and resolved 40+ production issues; Improved SCA & Junit code coverage from **60% to 90%**
- Automated scheduled tasks using **Spring Scheduler**, enhancing system reliability and availability.
- Designed and developed features to support a **multi-tenant architecture**, enabling isolated data for **7+ clients**.
- Implemented Caching using **Redis** & Messaging Queues (**RabbitMQ, Kafka**) for asynchronous microservices communication.
- Collaborated with Automation & QA testing team to resolve **performance and load-related bugs**.
- Contributed to production-grade CI/CD pipelines using **Jenkins** and **Git**, supporting multiple deployment pipelines.
- Collaborated in Agile teams using JIRA, Git, TDD, created detailed technical documentations using **Enterprise Architect** and participated in peer code reviews.
- Used **AWS S3** cloud infrastructure; Managed deliverables using **Agile tools** like **JIRA**, and **Azure DevOps.**
- Implemented **Log Aggregations** and **Kibana** Dashboards in the application.
- Adhered to **OWASP Top10** guidelines to harden microservice security and participated in internal secure coding reviews.

Software Developer Intern   **01/2023 – 07/2023**
Chicmic | Mohali, Punjab

- Led the design and implementation of multiple projects assigned to the intern team.
- Developed backend modules in Java with features including CRUD, ORM, Auth, Exceptional handling, Payments, Multithreading, also worked with UI, Android & Cloud teams.
- Utilized **SonarQube**, JUnit, and Mockito to ensure high-quality, testable, and maintainable code.
- Maintained API documentation using **Swagger** and used **Postman** for Validating and testing APIs.
- Applied Agile and Linux-based methodologies to improve solutions.

Research and Development Intern   **06/2021 – 10/2021**
Powerhouse AI | Singapore (Remote)

- Collaborated with Tech and Business team to designed UI and UX wireframes and present Pitch deck to stakeholders; Used python and early stage application of NLP, Artificial Intelligence to analyse data, extract insights, and optimize reporting performance.

SKILLS

- **Languages:** Java, MYSQL, HTML, Javascript
- **Libraries, Framework:** Spring boot, Hibernate, Angular Js, GRPC, REST, SOAP
- **Tools and Software:** Linux, Redis, RabbitMQ, WebSockets, Git, JIRA, Docker, AWS, PgAdmin
- **Database:** MySQL, PostgreSQL, MongoDB
- **Testing:** JUnit, Mockito, SonarQube, Postman, Swagger
- **Subjects:** Data Structures and Algorithms, OOPS, Agile Methodology, Operating System, System Design, RDBMS, SDLC, Multithreading, Leadership, Problem Solving, Communication Skills, Analytical Skills

Projects

TakeAway | Spring boot, Postgresql, JS, Apache

- Constructed a Food ordering Android app, enabling users to order from canteen and pay via digital wallet.
- Managed real-time concurrent orders and achieved **80+ active user engagement**.

eNaukri | Spring boot, Postgresql, Web Socket, JS

- Built a Job portal for multi-role users to post, search, and apply for jobs.
- Implemented chat, search filters, authentication, and notification features.

Other Achievements

- **Certified** in Agile Methodologies & Practises.
- **Former Head,** Technical Group, Panjab University.
- **Core Team Member**, Training and Placement Cell.
- **Gold & Silver Medallist,** District & State Rifle Shooting Championship.