SHUBHAM KUMAR

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WORK EXPERIENCE

Senior Software Engineer | **Jisr** | Dubai, Remote (Oct 2025 - Present)
- Created a scalable architecture in a Rails-based system for a seat pooling system for organizations with multiple children (**0 - 10+**) and with **3** different billing patterns
- Led **2** end-to-end feature delivery from schema design & migrations to model architecture and testing- ensuring zero-downtime deployments.
- Resolved **15+** production-critical issues, improving platform stability and reducing customer-impacting incidents.
- Removed around **10+** indexes that were underused and created better ones for maximum optimization.

Software Engineer | **Outlier AI** | Freelance | Remote (July 2025 - Sept 2025)
- Engineered 10+ high-fidelity front-end solutions (HTML, CSS, JS, React) to train and evaluate frontier LLMs (GPT-4, Claude 4)
- Boosted model benchmark accuracy by 30% via rubric design, hallucination detection, and prompt refinement

Software Development Engineer 2 | **BNY** | Pune, India **(**Mar 2024 - Jun 2025)
- Spearheaded development of ODS Studio, a no-code/low-code data platform used by 50K+ employees, cutting recurring costs from **$19M to $5M annually**
- Architected **8+** production-grade microservices (**Java, SpringBoot**) for ingestion of datasets, transformation, and metadata management into a centralized **PostgreSQL-backed data lake**, ensuring scalability and modularity
- **Partnered with analysts and ops teams** to replace fragile ingestion pipelines with an event-driven **MQ/Kafka** architecture, improving reliability and debuggability
- Accelerated developer testing cycles by **60%** with an internal MQ message simulator that removed external dependencies
- Automated **AI-driven** test data generation, cutting onboarding time by **40%** and reducing reliance on domain experts
- Enhanced observability with custom **Splunk dashboards** and alerts, slashing triage time for config/schema issues by **30%**

Software Development Engineer 1 | **BNY** | Pune, India (Jul 2022 - Mar 2024)
- Redesigned **Angular/TypeScript** UI screens in ODS Studio, boosting user efficiency by **20%**
- Implemented logger service layer **(Java, Spring Boot) with AWS S3** connectors for secure data retrieval
- Delivered **10+** reusable **Angular** components for custody framework adoption across teams
- Authored comprehensive unit tests (**JUnit, Mockito, Jasmine, Karma)**, lifting code coverage above **85%**

INTERNSHIPS

Software Engineering Intern | **Standard Chartered GBS** | Remote (May 2021 - Jul 2021)
- Analyzed ETL processes and identified open-source alternatives, lowering processing costs
- Built Grafana dashboards (Python, Prometheus) for ETL metrics and integrated with Oracle DB, replacing Grafana Enterprise and saving **$100/user**

SKILLS & TOOLS

Languages: C++, JAVA, TypeScript, HTML, CSS, JavaScript, Python
Frontend: Angular, SOLID Principles, Material UI
Backend & Data Management: SpringBoot, Oracle DB, SQL, MQs, REST APIs, Microservices, Apache Kafka, Redis, PostgreSQL
Version Control: Github, GitBash, Gitlab, CI/CD Pipelines
DevOps & Cloud: AWS S3, EC2, AWS APIGateway, Docker, Splunk, Lambda, Postman

EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY | *Bachelor of Technology in Computer Engineering* | *GPA: 8.74/10* | (Aug 2018 - May 2022)
OOPS, Data Structures, Algorithms, Relational Database Management, Operating Systems, Computer Networks, Distributed Computing

PERSONAL PROJECTS

Saathi - A Social Helper
Developed a communication-assistive web app for autistic and mute individuals, reducing dependence.   Project
Ascii Art Generator
Built a tool used by 500+ visitors, converting images into downloadable text-art with a **Python** back end.   Project
Avengers Match
Created an Avengers-themed card-matching game with 40 cards and animations using **HTML, CSS, and JS**   Project

LEADERSHIP EXPERIENCE

President, DTU Technical Council | (Jan 2022 - May 2022)
Directed DTU's technical fest, securing ₹50L sponsorships, onboarding 50+ companies, and leading a 400-member team for 20K+ attendees