

Yatharth Gupta

Software Engineer

A technology enthusiast with three years of experience in designing, developing, and optimizing software solutions.

Education

Indian Institute Of Technology BHU

B.Tech (Electronics) (2021)

CGPA : 8.63

Class 12th CBSE (2017)

94.4%

Contact

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Technical Knowledge

- Data Structures and Algorithms
- System Design
- Operating Systems
- Web Development (Full stack)

Technologies:

- **Programming Languages:** Java, JavaScript and Python.
- **Back-end:** Spring Boot and API Gateway management using Kong.
- **Front-end:** Angular, GWT, React.
- **Event-Driven Architecture:** RMQ, Kafka, and AWS EventBridge.
- **Data Storage:** MariaDB, PostgreSQL, MongoDB, Redis, Drools, OpenSearch.
- **DevSecOps:** Snyk, DefectDojo, DependencyTrack, and ThreatMapper.
- **Infrastructure:** Docker, Kubernetes, Ansible, Terraform, Jenkins

Achievements & Extra Curricular

- Secured AIR **1660** in JEE ADV, 2017.
- Writing **blogs** on software engineering.
- 2nd in myKaarma AI hackathon 2023.
- AIR 6 in MLware (Technex) on Kaggle.
- Organized Mosaic, a computer vision event in Udyam'20.

Professional Experience

○ June 2021 - Current

MyKaarma - Noida, India

Software Development Engineer - 2

- **Built user onboarding flows**, a tracking system and a monitoring dashboard improving the experience and **decreasing onboarding time by ~80%**. **Exposure:** Springboot, Angular, Appcues, GWT, MongoDB, Iframes.
- **Microservices-based backend** and dashboard to create and manage teams and licenses. **Exposure:** SQL DB designing, Springboot, Angular, GWT.
- **GitHub bot** to automate the GitHub PR approval process and deployed as a serverless app on AWS Lambda.
- **Setting up a mail server** with all DNS settings to prevent the hard bouncing of mails **reducing the rate from ~4% to ~0.2%**.
- **Automated workflow system** using drools **reducing setup time from 1 day to ~2 mins**. **Exposure:** Drools, RabbitMQ, Spring boot, Angular.
- **Built vulnerability and license compliance tracker and control system** which helped **reduce vulnerabilities by ~60% in just 4 months**.

○ May 2020 - April 2021

MyKaarma - Noida, India

Software Development Intern

- Built a **Global Map Library** and integrated with 2 of our services. Developed Rest endpoints for live tracking of trip and CRUD operations.
- **Generic user-friendly UI for creating rules** along with a backend to convert the rules to drl using Drools fluent API and storing them into MongoDB.
- Made the scheduler service **ADA** compliant **boosting the lighthouse accessibility score from just 66% to 94%**.

○ Oct 2020 - Jan 2021

Rivia.AI - Bangalore, India

Software Development Intern

- **Created REST services** for integration with **Shopify, WooCommerce and Magento reducing the customer onboarding time by ~90%**.
- Built tools to generate invoices, pickup lists and upload customer addresses to **optimo-route** using Python.

System Design Experience

○ User Login Flow (Solo)

- Designed and developed a completely new user login experience.
- Created both HLD and LLD for the new architecture and developed it alone.
- Had **100% promoters** after the 1st survey with our customers.

○ Opcode Management Backend (Solo)

- Developed service for opcodes with dependency on 6 different teams.
- With a load of more than **~20M requests/day**, it was rolled out successfully.

○ Workflow Rules Engine (Team of 2)

- Designed and developed the complete architecture to allow users to create completely flexible rules through an easy-to-understand UI.
- It currently handles a load of more than **2 million events in just 30 minutes**.