

# Prateek Rohilla

📍 Munich    ✉ prateekrohilla4.pr@gmail.com    🌐 prateekrohilla.eu    in prateek-rohilla    🔑 ptk1729

## Work Experience

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### Google (Intrinsic)

SWE Intern - Reliability

Munich (on-site)

May 2024 – Aug 2024

- Developed a **Golang CLI tool** for chaos engineering on the intrinsic platform for robotics to **improve reliability**.
- Designed and conducted end-to-end experiments, leveraging **Bash's advanced features** to manage concurrent session workflows and efficiently aggregate results.
- Noticed **frequent test breaks** reducing stability, took ownership to diagnose root causes, built a chaos test framework, and **raised system uptime by 20%**.
- Documented Insights from the experiments provided actionable feedback to **improve the reliability and resiliency** of the robotics platform.

### Assemblio

Working Student – Software Development

Stuttgart

May 2023 – Sept 2023

- Designed and implemented **CI/CD pipelines** for deployments using **Jenkins and GitLab CI**, ensuring efficient and reliable deployment processes.
- Set up an **automated quality monitoring** process in the pipeline to catch common issues early, maintaining **smooth releases** and **reducing downtime**.
- Enhanced front-end functionality by adding **collision detection**, a major customer-requested feature that improved user experience and application responsiveness.

### Netomi

Software Developer Engineer

Gurugram, India

Dec 2021 – Sept 2022

- Developed a web-based flow editor, that **automated the complex customer onboarding process**, saving hundreds of developer hours.
- Integrated **multiple microservices** into the proxy server, streamlining communication and **reducing API overuse**.
- Improved **security** of Dockerfile by leveraging **Docker secrets** and best practices.
- Migrated file handling to **AWS S3** reducing unpredictable resource usage.

### Robofied

Software Dev. Intern

Remote, India

Dec 2020 – Nov 2021

- Led the **development of frontend of DMIS211**, a resource allocator for individuals in crisis in the USA.
- Actively contributed to the **development of Django backend**.
- **Expanded test coverage** with targeted unit tests for critical endpoints, **preventing regressions** and supporting dependable deployments.
- **Configured CI/CD pipelines** for both the backend and front end using **GitHub Actions**.

## Freelance - Developer

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- Led the development of products with **microservices design and integration**, containerization, monitoring, deployment, and updates on GCP and AWS.

## Education

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### TU Dresden

M.Sc. in Computer Science (Distributed Systems Engineering)

Dresden, Germany

Present

### GGSIU

Bachelors in Computer Science and Engineering

Delhi, India

Aug 2018 – July 2022

## Skills

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**Languages:** Golang, JavaScript/TypeScript, Python, Yaml, bash

**Dev Tools:** Git, Docker, Kubernetes, Helm, AWS, GCP, Vim

**Soft Skills:** Strong **problem-solving** and critical thinking, effective **team collaboration**, diligent work ethic, **exceptional verbal and written communication**.