



# SANJAY GEORGE

## Software Engineer

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Germany  
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Experienced Software Engineer with over 5 years of expertise in building scalable, data-driven solutions. Adept at collaborating in agile, cross-functional teams to deliver sustainable and optimized products.

### EXPERIENCE

#### Newboxes GmbH, Germany — Software Engineer (werkstudent)

JANUARY 2023 - PRESENT

Led end-to-end development of a scalable, event-driven solution using **TypeScript**, **Node.js**, and **AWS**, improving operational visibility and reducing delays by 53%.

Developed a robust container validation system and **UI dashboards**, automating 80% of manual operations and improving data accuracy and process efficiency.

Improved **data management** by designing optimized data models and performance-tuned queries in SQL, ensuring better resource utilization and query performance.

Implemented CI/CD workflows using **GitHub Actions**, reducing lead time by 35% and increasing release frequency.

#### CarTrade Tech, India — Team Lead, Software Engineer

JUNE 2018 - FEBRUARY 2022

Spearheaded the migration from monolithic to **microservice architecture** on Kubernetes, on-premises to AWS (EC2, EKS), enhancing system availability, scalability, and performance.

Collaborated in cross-functional teams to deliver scalable, data-intensive features, following **agile methodologies**.

Developed responsive UI components using **React** and **TypeScript**, enhancing user experience and product performance.

Containerized microservices with **Docker**, managing deployments across environments with **Kubernetes**, ensuring scalability and consistency in service delivery

Emphasized clean coding practices (SOLID, design patterns) and implemented unit and E2E testing, leading to improved maintainability and enhanced team productivity.

**Mentored** the development team in delivering high-quality, maintainable code using clean coding practices, improving team productivity and software performance.

### SKILLS

Node.js, JavaScript,  
TypeScript, SQL, MongoDB,  
React, TDD, Jest, Cypress, Git,  
RabbitMQ, Kafka, ElasticSearch

Docker, Kubernetes,  
Terraform, Ansible, Azure,  
AWS, GitHub Actions

### INTERESTS

Software Architecture  
Database Design  
Cloud Engineering  
DevOps

### AWARDS

**High Flier Award (CarTrade Tech, January 2021)** for developing a smart web scraper. Cut down manual operations by 70% improving price accuracy.

**Developer of the Month (CarTrade Tech, April 2019)** for optimizing ad delivery improving impressions, CTR and revenue by 40%

### LANGUAGES

English - C2 | German - A2

### PERSONAL PROJECTS

#### Document.io

A streamlined tool for capturing, annotating, and documenting websites directly from the browser. Makes building tutorials, managing workflows, or documenting app interfaces easy and collaborative.

#### Localize-mssql

Docker-based solution to containerize and run MSSQL with automated

### EDUCATION

#### Hochschule Fulda, Germany

#### MSc. Applied Computer Science

APRIL 2022 - PRESENT

creation of schemas and tables, and data imports from CSV files.

### **Web Automator**

A no-code tool to automate several tasks on websites such as web scraping, E2E testing, data monitoring, etc

**SVNIT, Surat, India**  
**Bachelor of Technology,**  
**Computer Engineering**

JULY 2014 - MAY 2018