

# Julius Deichert-Hetzel

## Senior Platform Engineer & Platform Architect

Specializing in cloud-native data platforms, pipelines & AWS infrastructure

I design and implement scalable AWS platforms and data pipelines that enable engineering teams to deliver faster and safer without sacrificing quality.

## Core Skills

AWS · Terraform · Python · Platform Engineering · Data Pipelines · Airflow · IaC · CI/CD · Cloud Architecture  
· Developer Experience

## Experience

### PlanBlue GmbH - Senior Cloud & Platform Engineer (permanent)

Deep-tech startup processing hyperspectral underwater imagery for marine research and monitoring

Nov. 2022 - Present, Bremen, DE

- **Enabled scalable processing of terabyte-scale hyperspectral oceanic datasets across cloud, edge, and on-premise environments** by architecting a multi-environment AWS data pipeline platform
- **Enabled teams to provision new services in minutes instead of days** by driving the design and implementation of a self-service AWS infrastructure platform with reusable Terraform modules and enforced standards.
- **Increased consistency and reduced redundancy across data ingestion and processing** by owning design and implementation of a unified data-access abstraction layer.
- **Increased engineering velocity** by developing developer tooling, infrastructure automation, CI/CD workflows, and deployment pipelines that reduced deployments from hours of manual coordination across multiple repositories to 5 CLI commands.
- **Improved engineering quality and deployment reliability** through coaching cross-functional teams on software architecture, clean code and cloud best practices.
- **Enhanced team efficiency and collaboration** by helping establish and continuously refine Scrum processes.

### Open Reply - Backend Software Engineer & DevOps (permanent)

IT and consulting company

Jun. 2020 - Nov. 2022, Bremen, DE & Cologne, DE

- **Contributed to overall service functionality and reliability** by implementing features across multi-environment microservices supporting the HeyOBI app (5M+ downloads).
- **Strengthened authorization and policy consistency** by extending the policy engine (OPA/PIP) to support more advanced access-control logic.
- **Enabled consistent and scalable cloud environments** by delivering AWS infrastructure components through Terraform.

## Education

MSc Computer Science, Hochschule Bremen, 2019

## Professional References

*"Julius combines deep technical expertise with strong architectural thinking and consistently delivers high-quality results."*

— Karl Bode, Senior Manager / Solutions Architect

*"Julius writes clean, maintainable systems, elevates those around him and drives rational, solution oriented engineering."*

— Mike Lee, Head of Engineering