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Maximising Microservice Databases with Kubernetes, Postgres, and CloudNativePG

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As a developer, you may follow continuous delivery practices yet treat your database as an external component, introducing risks with changes and migrations. It's time to change that by embracing microservice databases within your organisation.

This talk explores how PostgreSQL and Kubernetes, through CloudNativePG, can help you establish a seamless, open-source, vendor-neutral microservice database environment. We'll discuss how adopting technical DevOps capabilities enables multidisciplinary development teams to create microservice-based applications that integrate smoothly with their databases, owning the entire flow to the end user.

This approach eliminates dependencies that translate into bottlenecks, reduces cognitive load, improves quality, and enhances agility. Additionally, PostgreSQL's ACID transactional DDL simplifies database change management, allowing for complete rollbacks in case of errors.

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