WSO2CON 2025

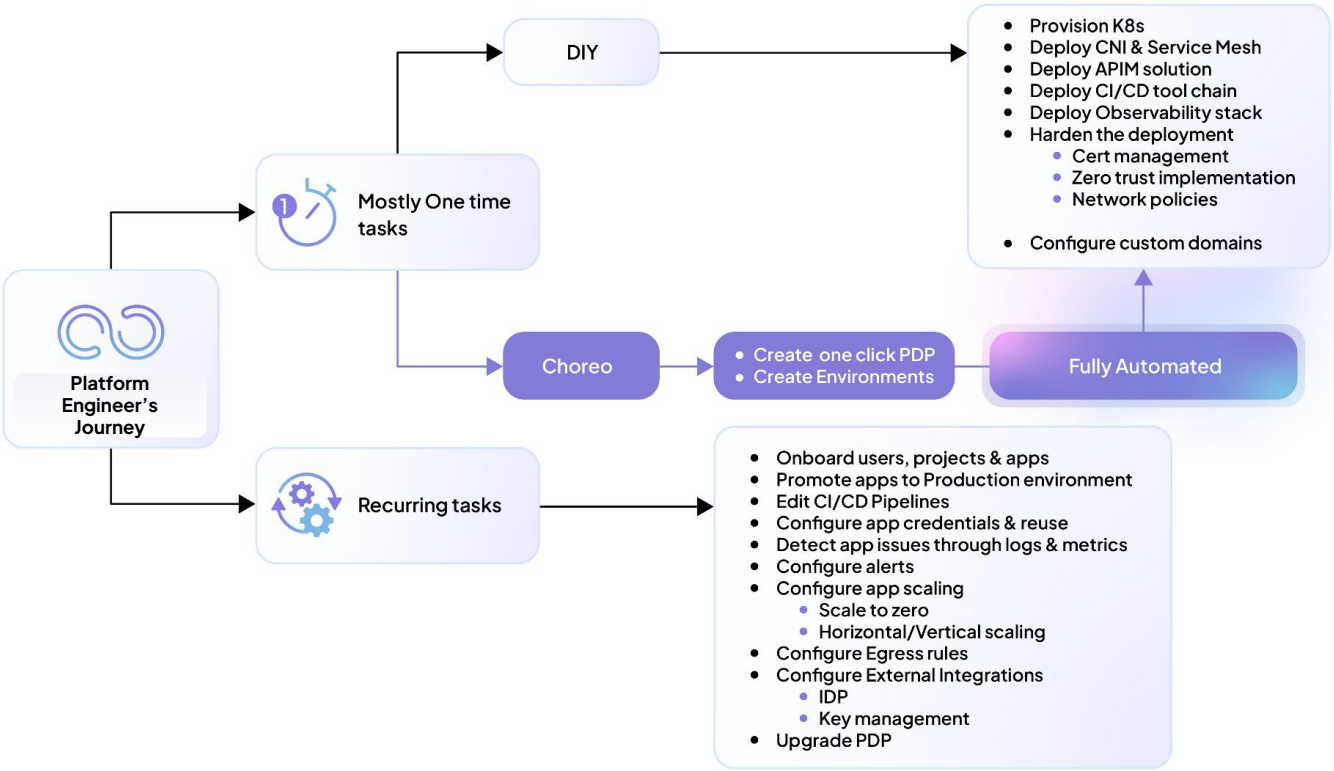
How an Internal Developer Platform Lets Developers Focus on Code

Joseph Fonseka
Vice President & Distinguished Engineer
WSO2

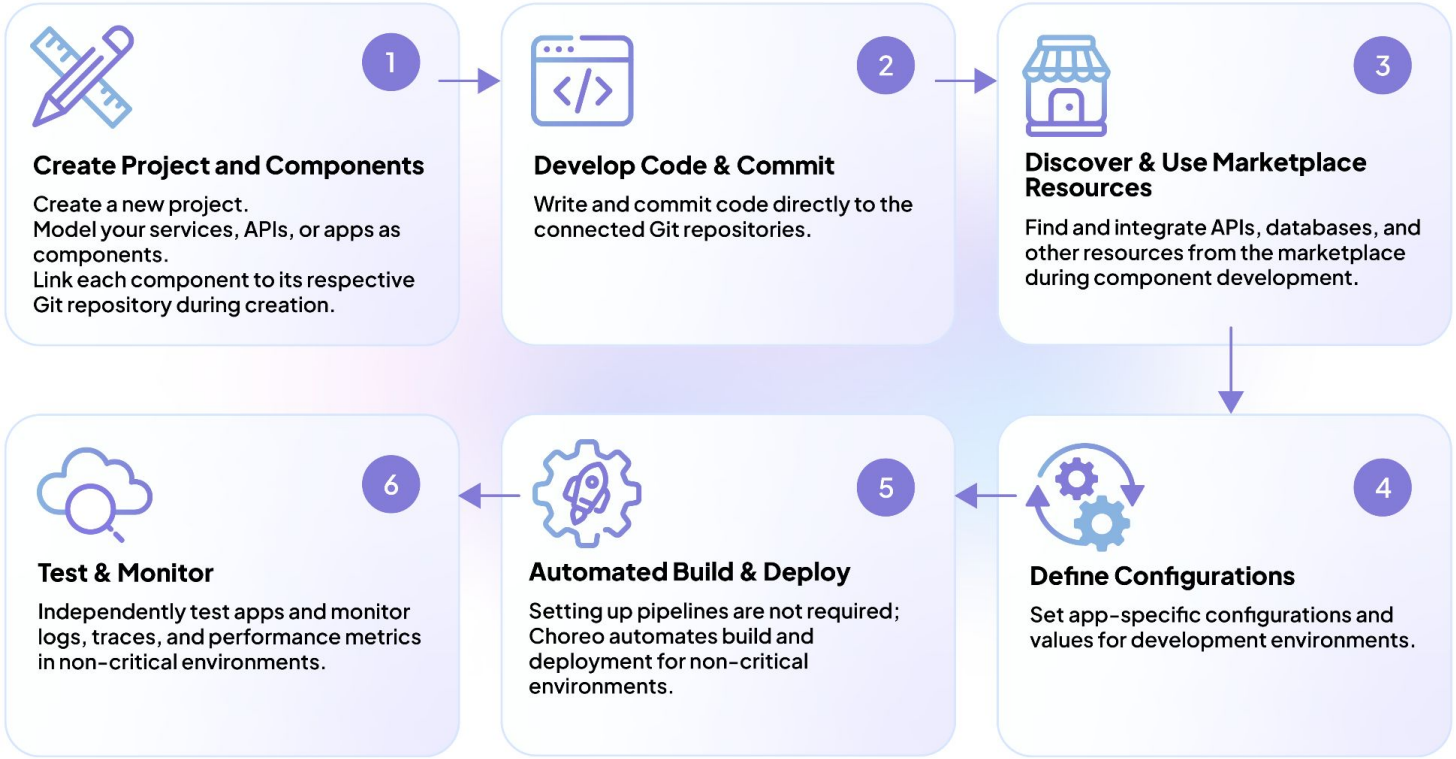
Manjula Rathnayake
Director of Engineering
WSO2

Navigating the Roles: Platform Engineer & Developer Journeys

Platform Engineer's Journey



Developer’s Journey



Lab Outline

- Part 1: Platform Engineering Setup
  - Set up environments, pipelines, AI services, and security policies.
- Part 2: Developer Experience
  - Utilize pre-configured resources to build, test, and deploy applications.
- Part 3: Operational Excellence
  - Implement monitoring, alerting, and observability for reliability.
- Part 4: Recap & Path Forward
  - Review key takeaways, benefits, and next steps.

Access the Lab Materials:

https://github.com/wso2con/2025-BCN-choreo-tutorial-2

Part 1: Platform Engineering Setup

Platform Engineering Setup: Key Steps

- Sign up for Choreo
- Explore the Platform Engineering perspective
- Create a new environment
- Update the default CD pipeline
- Manage team access
- Enable the environment promotion workflow
- Provision the OpenAI Egress API
- Configure network policies

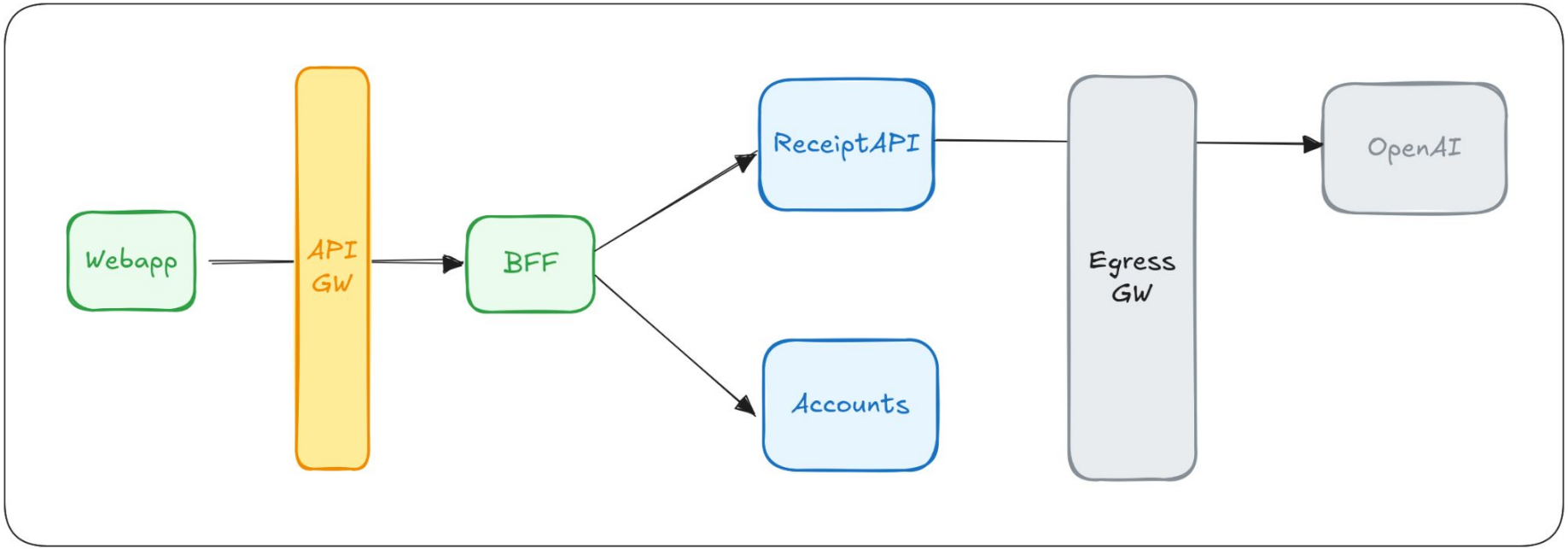
Part 2: Developer Experience

What keeps you away from code ?

Before you can start writing a single line of code, there's a long list of setup tasks:

1. Setup build pipelines
2. Configure development environments
3. Finding dependent services and configure the application
4. Set up the local development environment with the dependencies
5. Think about network security
6. Dealing with multiple teams to get the application setup

Expense Tracking Application



Key Steps in Developer Experience Setup

1. Create a New Project
2. Create the Accounts API
3. Create the Receipts API
4. Connect the Receipts API with OpenAI
5. Deploy the Accounts and Receipts APIs to the Dev Environment
6. Create the BFF API
7. Test Locally
8. Create the Web Application
9. Test the Application

Part 3: Operational Excellence

Key Steps in Operational Excellence

- Promote the application to a higher environment
- Monitor system performance & observability
- Configure latency alert rule

Part 4: Recap & Path Forward

Recap of What We Covered

- Platform Engineering Setup – Configured environments, pipelines, security policies, and governance.
- Developer Experience – Built and deployed APIs, connected services, and created the web application.
- Operational Excellence – Monitored system performance, analyzed observability data, and set up alerts.

Path Forward

- **For platform engineers:**
  - Integrate an **external identity provider** for secure authentication and access control.
  - Deploy workloads on another **private data plane** to enhance flexibility.
- **For developers:**
  - Enhance **web application security** with managed authentication.
- **Stay in touch & keep building!**
  - Reach out with **questions, feedback, or ideas**.
  - Explore **advanced features and integrations.**
  - Let's continue the journey together!!


Thank you!
WSO2CON2025