API Server Development in Rust with Actix Web, SQLx and JWT

Want to build blazing-fast, secure API servers with Rust? This course will show you how.

Meet Your Instructor

I'm Afaan, a seasoned software engineer with over 12 years of experience building and scaling robust backend systems.

My passion lies in crafting elegant, efficient, and secure API servers that power modern web applications.

Build a Robust API Server from Scratch

Actix Web Framework

Leverage the power of Actix for a performant, asynchronous API server.

SQLx for Database Integration

Seamlessly connect your server to a MySQL database using SQLx.

Implementing Secure Authentication

1   ## JSON Web Tokens (JWT)

Securely authenticate users with JSON Web Tokens, ensuring data integrity and user privacy.
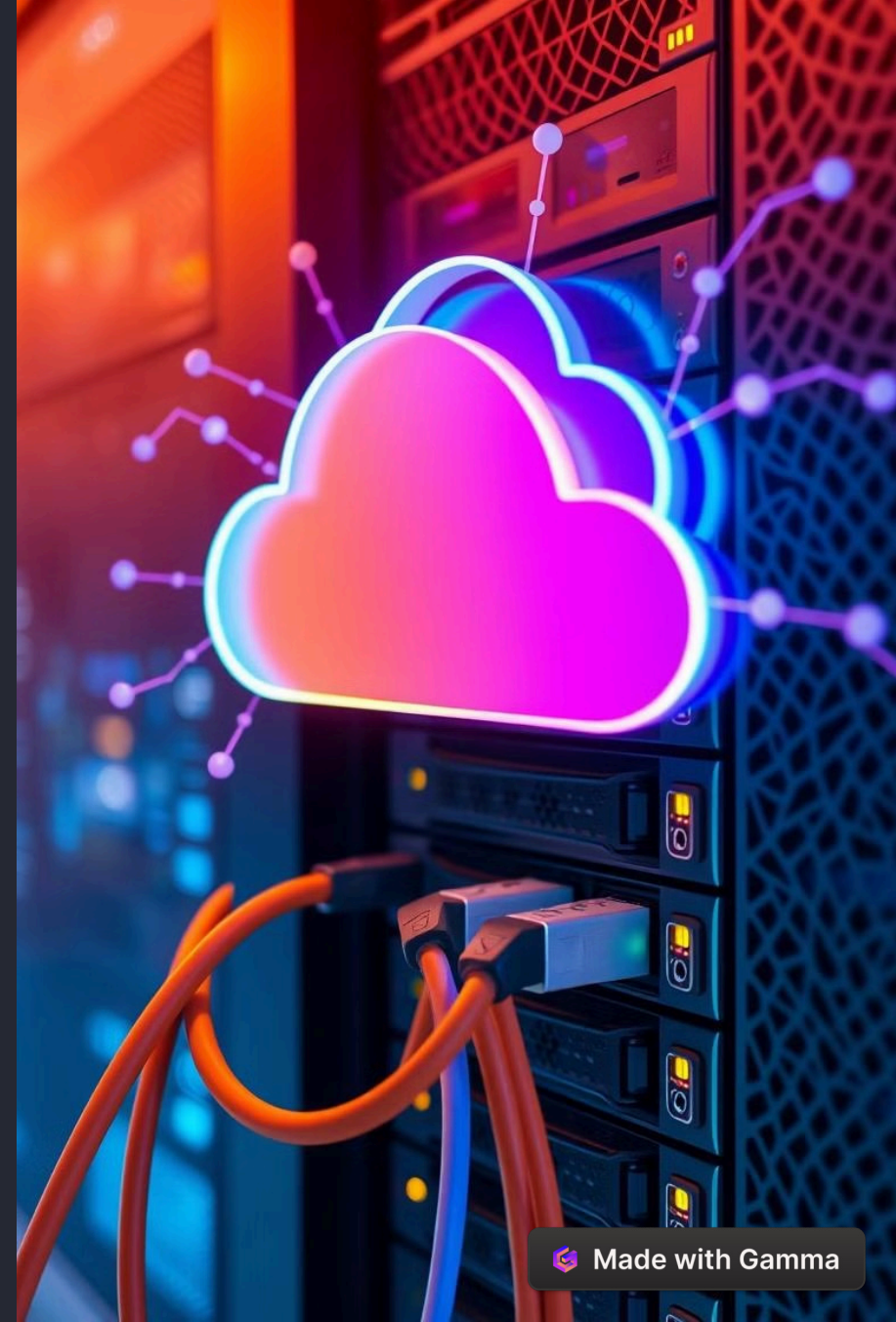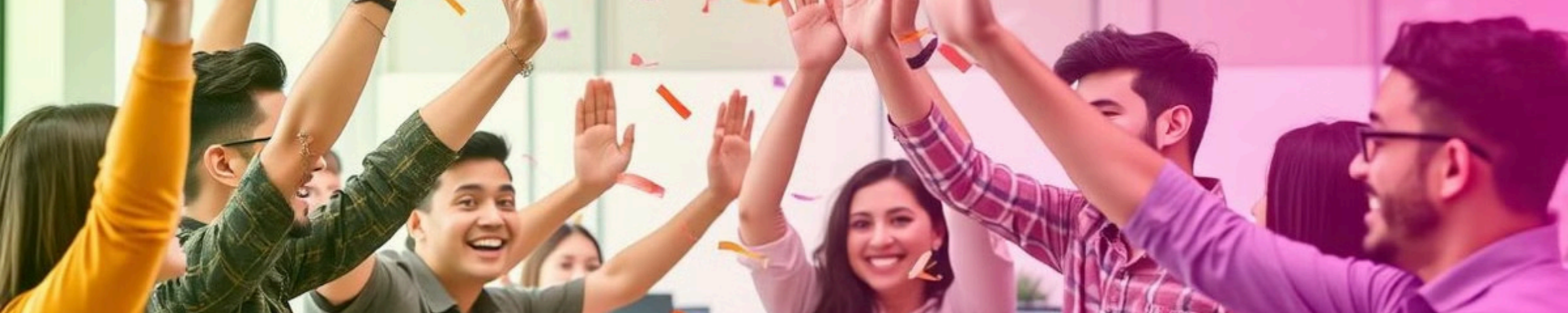
Production-Ready Code and Deployment

Clean Code

Write clean, maintainable Rust code, following best practices and design patterns.

Dockerize

Learn how to create Docker images for your API servers for seamless production deployment.

Unlock Your Backend Development Potential

This course empowers you to build confidence and unlock your backend development potential using Rust.

Key Takeaways

1 Actix Web Framework

Build performant, asynchronous API servers.

2 SQLx for Database Integration

Seamlessly connect your server to a MySQL database.

3 JSON Web Tokens (JWT)

Securely authenticate users with JWTs.

4 Production-Ready Code and Deployment

Write clean, maintainable Rust code and Dockerize for seamless deployment.

Congratulations!

```
moneyflow on  master via  desktop-linux is  v0.1.0 via  v1.84.0
$ cargo r
   Compiling serde_json v1.0.137
   Compiling sqlx-core v0.8.3
   Compiling actix-web v4.9.0
   Compiling jsonwebtoken v9.3.0
   Compiling sqlx-mysql v0.8.3
   Compiling actix-extensible-rate-limit v0.4.0
   Compiling actix-cors v0.7.0
   Compiling sqlx-macros-core v0.8.3
   Compiling sqlx-macros v0.8.3
   Compiling sqlx v0.8.3
   Compiling moneyflow v0.1.0 (E:\git\moneyflow)
    Finished `dev` profile [unoptimized + debuginfo] target(s) in 58.72s
     Running `target\debug\moneyflow.exe`
```

Key Takeaways

1 Actix Web Framework

You've mastered Actix for building RESTful APIs.

2 SQLx for Database Integration

You've learned how to connect and interact with MySQL databases using SQLx

3 Secure Authentication with JWT

You've implemented secure authentication with JSON Web Tokens.

4 Production-Ready Code

And most importantly, you've gained confidence in writing clean, maintainable Rust code for production-ready applications

Made with Gamma

Thank you for learning with me.

Keep building amazing things with Rust!

by Afaan Bilal