
Hayden Austin

Software Developer | Java Applications

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Software developer with Java server-plugin experience in event-driven APIs, persistent metadata and custom interfaces. Broader work includes mobile record synchronisation, backend services and browser-worker analytics.

SELECTED JAVA & APPLICATION PROJECTS

Resource-pack tools & custom blocks | [Source code](#)

- Built a Paper/Bukkit plugin that reads resource-pack JSON and turns model metadata into custom items and categorised inventory menus.
- Implemented persistent item tags and placement/break-event handling; added ZIP extraction checks against paths outside the destination.

Custom item & event plugins | [Source code](#)

- Developed Java item behaviours using server event listeners, command handlers and persistent metadata.

Agronomy field records (in development) | [Project overview](#)

- Developed React Native/Expo records with SQLite persistence, retry-safe uploads and retained correction history.
- Integrated validated weather forecasts with caching, freshness indicators and explicit missing-data states.

Strategy-game analytics dashboard | [Project overview](#)

- Built React/TypeScript comparisons and D3 charts with batched API requests, Web Worker computation and coordinated caching.

EXPERIENCE

Freelance Developer 2023 - 2025

- Developed web applications for commerce and professional services, covering product catalogues, authentication, content management and deployment.

Game Server Developer & Administrator 2019 - 2022

- Built event-driven Java plugins with persistent item metadata and server API integrations; maintained Linux servers and investigated performance issues.

TECHNICAL SKILLS

Core: Java, object-oriented programming, Maven

Plugin development: Paper/Bukkit APIs, Vault, JSON parsing, persistent metadata

Broader applications: TypeScript, React, Node.js, Firebase, PostgreSQL, SQLite

Engineering: Git, Linux, automated testing, GitHub Actions

EDUCATION

Belgium Campus ITversity

Studies toward a Bachelor of Computing, specialising in Software Engineering.