

# Claude Houle

## Senior Java Developer & Backend Architect

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### PROFILE

Backend developer with 23+ years of experience building enterprise Java systems, microservices architectures, and high-throughput data platforms. Deep expertise in Spring ecosystem, database optimization, and distributed systems. Proven track record delivering mission-critical backends for financial services, travel, and manufacturing — with a focus on reliability, scalability, and team leadership.

### KEY ACCOMPLISHMENTS

- Architected and delivered the Ibiza travel platform rebuild at Accovia — Java/Spring/Hibernate backend serving major travel operators, delivered on time after critical client recovery
- Built backend services for 8D Technologies' Solstice platform — Java system processing real-time events from Bixi bike-sharing kiosks deployed across cities worldwide
- Designed backend architecture for CAE's pilot training platform at Spiria — Spring Boot APIs, data modeling, and integration strategies supporting aviation compliance requirements
- Built core infrastructure services at Mediagrif adopted across multiple e-commerce product teams — reusable data access layers, service components, and API patterns

### TECHNICAL SKILLS

#### Languages

Java Kotlin SQL TypeScript Python

#### Backend

Spring Boot Spring Security Hibernate/JPA REST APIs Microservices Node.js

#### Data

PostgreSQL MySQL Oracle DB2 Redis ActiveMQ

#### DevOps

Docker Kubernetes CI/CD Pipelines Jenkins GitLab CI GitHub Actions

#### Architecture

Domain-Driven Design CQRS Event Sourcing API Design System Integration

#### Testing

JUnit Mockito Integration Testing TDD Contract Testing

#### Practices

SOLID Clean Architecture Code Reviews Technical Documentation Claude Code

#### Additional

Swift Angular iOS SDK z/OS Mainframe Migration

### PROFESSIONAL EXPERIENCE

**Poka Inc.** Architect, Lead iOS, Lead VisionOS

Oct 2021 — Present

Connected worker platform with 200,000+ DAU — architecting backend integrations and API contracts for mobile clients.

- Designed API contracts and data synchronization strategies between mobile clients and backend services, ensuring reliability at scale
- Established engineering standards and code review practices across the development team, improving code quality and consistency
- Collaborated with backend teams on service architecture decisions, bringing mobile perspective to API design discussions
- Onboarded 20 developers with a custom training curriculum covering architecture patterns and best practices, productive within 3 months

Mobile development studio — led technical architecture and API integration across 15+ client projects.

- Designed shared component libraries and architectural patterns adopted across multiple project teams
- Led API integration efforts with various backend systems, establishing patterns for error handling, caching, and offline support
- Mentored developers through code reviews and knowledge-sharing sessions on architecture and design patterns

Custom software agency — led solution architecture for enterprise client engagements.

- Owned solution architecture for client engagements; translated business requirements into API contracts, data models, and integration strategies that guided development teams
- CAE PreStudy: designed backend architecture with Spring Boot, RESTful APIs, and data persistence layer for an aviation pilot training platform
- Acosta SLTouch: architected Node.js backend services and data aggregation pipelines for retail analytics platform
- Skillable: delivered backend services for a Progressive Web App micro-learning platform using TypeScript and Node.js

Software and hardware for bike-sharing and automated parking — backend systems supporting city-wide deployments.

- Built backend Java services for the Solstice bike-sharing suite — transaction processing, station management, and real-time availability APIs
- Designed data pipelines handling high-volume telemetry from solar-powered POS stations across London and New York City deployments
- Transitioned to iOS development, bringing backend architecture expertise that bridged system layers and improved API design

- Rebuilt Ibiza travel platform with Java/Spring/Hibernate after critical client recovery — service architecture, data access patterns, on-time delivery

- Libra project — migrated mainframe to Java/DB2 under financial compliance requirements; globally distributed team

- Built core backend services and shared infrastructure patterns adopted by multiple e-commerce product teams

## EDUCATION

Three-year practice-oriented diploma covering C, C++, Java, SQL, Linux, and applied computing.

Capstone project: End-to-end development of an e-commerce website for an SMB.