

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

Appcom <i>Lead Mobile Developer</i>	Nov 2019 — Oct 2021
Mobile development studio — led technical architecture and API integration across 15+ client projects.	
<ul style="list-style-type: none"> - 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 	

Spiria Digital <i>Software Architect, Senior Developer</i>	Nov 2013 — Nov 2019
Custom software agency — led solution architecture for enterprise client engagements.	
<ul style="list-style-type: none"> - 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 	

8D Technologies <i>Back-End Java Developer → iOS Developer</i>	Oct 2009 — Oct 2013
Software and hardware for bike-sharing and automated parking — backend systems supporting city-wide deployments.	
<ul style="list-style-type: none"> - 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 	

Accovia <i>Back-End Java Developer — Architecture Team</i>	Oct 2007 — Oct 2009
<ul style="list-style-type: none"> - Rebuilt Ibiza travel platform with Java/Spring/Hibernate after critical client recovery — service architecture, data access patterns, on-time delivery 	

Compuware Montreal <i>Java Consultant — Morgan Stanley</i>	Oct 2005 — Oct 2007
<ul style="list-style-type: none"> - Libra project — migrated mainframe to Java/DB2 under financial compliance requirements; globally distributed team 	

Mediagrif <i>Java Developer — Infrastructure Team</i>	May 2003 — Oct 2005
<ul style="list-style-type: none"> - Built core backend services and shared infrastructure patterns adopted by multiple e-commerce product teams 	

EDUCATION

Computer Science Technology <i>Cégep Édouard-Montpetit, Longueuil, QC</i>	2003
Three-year practice-oriented diploma covering C, C++, Java, SQL, Linux, and applied computing.	
<i>Capstone project: End-to-end development of an e-commerce website for an SMB.</i>	