Claude Houle

Senior Java Developer & Backend Architect

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PROFILE

Backend developer with 21+ 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   *Lead Mobile Developer*   Nov 2019 — Oct 2021

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

Spiria Digital   *Software Architect, Senior Developer*   Nov 2013 — Nov 2019

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

8D Technologies   *Back-End Java Developer → iOS Developer*   Oct 2009 — Oct 2013

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

Accovia   *Back-End Java Developer — Architecture Team*   Oct 2007 — Oct 2009

Travel industry platform — core member of the architecture team on a critical platform rebuild.

- Joined the core Architecture Team on the Ibiza Project after a critical client recovery; helped rebuild the travel platform from the ground up with Java, Spring, and Hibernate
- Designed service layer architecture, data access patterns, and transaction management strategies for high-throughput booking operations
- Delivered the platform on time and on budget, restoring client confidence and establishing foundation for future growth

Compuware Montreal   *Java Consultant — Morgan Stanley*   Oct 2005 — Oct 2007

Enterprise Java consultant — assigned to a major financial services modernization project.

- Assigned to Morgan Stanley's Libra project to migrate legacy mainframe systems to Java services on Linux with DB2
- Developed Java services within stringent financial compliance requirements and enterprise security standards
- Coordinated within a globally distributed team across New York, Budapest, Tokyo, and Vancouver

Mediagrif   *Java Developer — Infrastructure Team*   May 2003 — Oct 2005

E-commerce platform company — member of the core infrastructure team.

- Built core backend services, reusable data access layers, and service components adopted by multiple e-commerce product teams
- Designed and implemented shared infrastructure patterns that standardized database access and transaction handling across the organization

EDUCATION

Computer Science Technology   *Cégep Édouard-Montpetit, Longueuil, QC*   Sept 2000 — May 2003

Three-year practice-oriented diploma covering C, C++, Java, SQL, Linux, and applied computing — comparable to a U.S. associate degree in computer science.