

# Claude Houle

## Software Architect & Technical Leader

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### PROFILE

Software architect with 23+ years of hands-on experience designing and delivering systems across backend, mobile, and web. Proven leadership in solution architecture, team transformation, mentorship, and cross-functional collaboration. Combines deep technical breadth with a product-minded approach to align engineering with business outcomes.

### KEY ACCOMPLISHMENTS

- Transformed an 8-person iOS team into a high-performing unit — crash-free rate to 99.999%, deployments from 1/week to 4/day, build speeds improved 50%
- Led architecture of a visionOS-native app — 1st Connected Worker Solution on the visionOS App Store, securing an Apple Vision Pro Dev Kit
- Onboarded and integrated 20 developers internationally — designed training curriculum and built collaborative culture across time zones, productive within 3 months
- Architected CAE's pilot training platform end-to-end: Spring backend, Angular frontend, and native iOS client
- Delivered the Accovia Ibiza platform rebuild on time and on budget after a critical client recovery — as a member of the core Architecture Team

### TECHNICAL SKILLS

#### Architecture & Design

Architecture     Solution Architecture API Design System Integration Data Modeling Distributed Systems

Patterns     Microservices Event-Driven CQRS Clean Architecture SOLID

#### Technical Stack

Languages     Java Swift Kotlin TypeScript SQL Python

Backend     Spring Boot Hibernate Node.js PostgreSQL MySQL Docker

Mobile/Web     iOS SDK visionOS SDK SwiftUI Android SDK Angular

#### Leadership & DevOps

Leadership     Team Mentorship Code Reviews Technical Discovery Onboarding

CI/CD     GitHub Actions Fastlane Jenkins Docker Kubernetes

Gen AI     Claude integration (code & test acceleration)

Methods     Agile (Scrum/Kanban) TDD Continuous Integration

Spoken     French and English (fully bilingual)

## PROFESSIONAL EXPERIENCE

- Poka Inc.** *Architect, Lead iOS, Lead VisionOS* 2021 — Present  
Technical architect for a connected worker platform serving 200,000+ DAU. Leading architectural evolution, team transformation, and cross-functional alignment across a 450K-line codebase.
- Architecture Leadership: Introduced internal tools, reusable libraries, and standardized practices — achieved 99.999% crash-free rate
  - Team Scaling: Onboarded 20 developers internationally with custom training curriculum and cross-timezone code reviews — operational within 3 months
  - Cross-functional Alignment: Bridged engineering, Product Management, and UX Design; established collaboration workflows aligning technical solutions with business goals
  - CI/CD Architecture: Automated App Store deployments end-to-end; increased release cadence from 1/week to 4/day, improved build speeds by 50%
  - Quality Engineering: Increased test coverage from 30% to 60% over four years through incremental testing alongside architectural modernization
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- Appcom** *Lead Mobile Developer* 2019 — 2021  
Led technical architecture and team development across 15+ client projects in healthcare, media, and retail sectors.
- Technical Standardization: Designed shared iOS framework for 15+ client projects — reduced code duplication and development effort by 50%
  - Process Improvement: Identified communication gaps between teams; established processes and tools improving alignment with product and UX
  - Team Development: Invested in mentorship and knowledge-sharing sessions, developing junior engineers into independent contributors
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- Spiria Digital** *Software Architect, Senior Developer* 2013 — 2019  
Solution architect responsible for initial architecture design and evolution across enterprise client engagements. Led technical discovery, requirements analysis, and delivery.
- Solution Architecture: Led requirements analysis, technical discovery, and produced API contracts, data models, and integration strategies
  - CAE PreStudy: Designed end-to-end architecture spanning Spring backend, Angular frontend, and iOS client for aviation pilot training
  - Architecture Artifacts: Produced documentation covering security considerations, scalability approaches, and deployment topologies
  - Engineering Standards: Defined standards and mentored developers across multiple project teams, raising overall code quality
  - Acosta SLTouch: Architected hybrid mobile framework for retail analytics using BackboneJS and Node.js
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- 8D Technologies** *Back-End Java Developer → iOS Developer* 2009 — 2013  
Pioneer in urban mobility architecture (Bixi) within a team combining hardware and software. Designed systems for city-wide deployments under real-world constraints.
- System Architecture: Started on backend Java team; transitioned to iOS bringing backend expertise that bridged system architecture across layers
  - Scalability Solutions: Engineered solutions for challenging connectivity and performance constraints in London and NYC deployments
  - AR Innovation: Pioneered first-ever Augmented Reality bike-sharing finder combining live camera feed with Core Location data
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- Accovia** *Back-End Java Developer — Architecture Team* 2007 — 2009  
Platform architect for Ibiza travel platform. Rebuilt system after critical client recovery — performance optimization and service orchestration.
- Platform Architecture: Rebuilt Ibiza travel platform with Java/Spring/Hibernate after critical client recovery — performance optimization and service orchestration
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- Compuware Montreal** *Java Consultant (Morgan Stanley)* 2005 — 2007  
Migration architect for Libra project — migrated mainframe to Java under financial compliance requirements; globally distributed team

**Mediagrif** Java Developer

2003 – 2005

- Infrastructure Architecture: Built core services and reusable components on Software Infrastructure team for e-commerce products

**EDUCATION****Computer Science Technology** Cégep Édouard-Montpetit, Longueuil, QC

2003

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.*