



Claude Houle

Software Architect & Technical Leader

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PROFILE

Software architect with 21+ 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%
- Onboarded and integrated 20 Sri Lankan developers — 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

Solution Architecture API Design System Integration Data Modeling Distributed Systems

Leadership

Team Mentorship Code Reviews Technical Discovery Cross-functional Collaboration Onboarding

Languages

Java Swift Kotlin TypeScript SQL Python

Backend

Spring Boot Hibernate Node.js PostgreSQL MySQL Docker

Mobile/Web

iOS SDK visionOS SDK SwiftUI UIKit Android SDK Angular

DevOps

CI/CD Pipelines GitHub Actions Fastlane Sentry LaunchDarkly Claude Code

Additional

Objective-C Oracle DB2 Vagrant J2EE

PROFESSIONAL EXPERIENCE

Poka Inc. Architect, Lead iOS, Lead VisionOS

Oct 2021 — Present

Connected worker platform — 200,000+ DAU, 450,000-line Swift codebase, 99.999% crash-free.

- Inherited a fragile codebase with frequent crashes; introduced internal tools, reusable libraries, and standardized practices that raised the crash-free rate to 99.999%
- Needed to scale the team fast; onboarded 20 Sri Lankan developers with a custom training curriculum and cross-timezone code reviews, making them productive within 3 months
- Bridged gaps between engineering, Product Management, and UX Design; established collaboration workflows that aligned technical solutions with business goals
- Faced slow, manual releases; automated App Store deployments end-to-end, increasing cadence from 1/week to 4/day and improving CI build speeds by 50%
- Tackled low test coverage (30%); drove incremental testing alongside architectural modernization, reaching 60% over four years

Appcom <i>Lead Mobile Developer</i>	Nov 2019 — Oct 2021
Mobile development studio — led iOS team across 15+ client projects.	
<ul style="list-style-type: none"> - Found duplicated effort across 15+ client projects; designed a shared iOS framework that standardized patterns, reduced duplication, and improved time-to-market - Identified communication gaps between teams; established processes and collaboration tools that improved alignment with product management and UX design - Invested in team growth through mentorship and knowledge-sharing sessions, developing junior engineers into independent contributors 	

Spiria Digital <i>Software Architect, Senior Developer</i>	Nov 2013 — Nov 2019
Custom software agency — responsible for initial architecture and evolving it with client requirements.	
<ul style="list-style-type: none"> - Owned solution architecture for client engagements; led requirements analysis, technical discovery, and produced API contracts, data models, and integration strategies that guided development teams - CAE PreStudy: designed end-to-end architecture spanning Spring backend, Angular frontend, and iOS client for an aviation pilot training platform - Produced architecture artifacts covering security considerations, scalability approaches, and deployment topologies for each engagement - Defined engineering standards and mentored developers across multiple project teams, raising overall code quality - Acosta SLTouch: architected a hybrid mobile framework for retail analytics using BackboneJS 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 — pioneering urban mobility solutions.	
<ul style="list-style-type: none"> - Started on the backend Java team for the Solstice bike-sharing suite; transitioned to iOS, bringing backend expertise that bridged system architecture across layers - Faced challenging connectivity and performance constraints; engineered solutions for city-wide deployments in London and New York City - Pioneered the first-ever Augmented Reality bike-sharing finder by combining live camera feed with Core Location data 	

Accovia <i>Back-End Java Developer — Architecture Team</i>	Oct 2007 — Oct 2009
<ul style="list-style-type: none"> - Joined the core Architecture Team on the Ibiza Project after a critical client recovery; helped rebuild the platform from the ground up with Java, Spring, and Hibernate, delivering on time and on budget - Contributed to performance optimization and service orchestration across the backend layer 	

Compuware Montreal <i>Java Consultant — Morgan Stanley</i>	Oct 2005 — Oct 2007
<ul style="list-style-type: none"> - Assigned to the Libra project to migrate COBOL on z/OS to Java services on Linux within stringent financial compliance requirements; coordinated within a globally distributed team across New York, Budapest, Tokyo, and Vancouver 	

Mediagrif <i>Java Developer</i>	May 2003 — Oct 2005
<ul style="list-style-type: none"> - Joined the Software Infrastructure team; built core services and reusable components adopted by multiple e-commerce product teams 	

EDUCATION

Computer Science Technology <i>Cégep Édouard-Montpetit, Longueuil, QC</i>	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.	