

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%
- 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			

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"> - Rebuilt Ibiza travel platform with Java/Spring/Hibernate after critical client recovery; performance optimization and service orchestration 	

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

Mediagrif <i>Java Developer</i>	May 2003 — Oct 2005
<ul style="list-style-type: none"> - Built core services and reusable components on the Software Infrastructure team for e-commerce products 	

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>	