

# Michael Lofquist



**Solution & Mobile Architect | Developer | Innovator | Engineering Manager | Founder**

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*I excel in two areas: innovation & execution. Innovation of products/solutions through creativity, execution through a hands on leadership approach; anywhere from smaller agile teams to hiring and guiding larger teams. My innovations have included a telco provisioning system that dramatically minimizes time to market; a distributed workflow engine; a provision system for cloud services; an anonymous messaging & exchange app; idea engagement platform/app (for ideas to be successful you need a tribe for support); several other iOS apps, two screenplays that attracted the attention of world class filmmakers.*

## Experience

### **CONSULTING, IOTSPOT (SF/HOLLAND) – 2020-CURRENT**

iOS development, the usual suspects: Swift/SwiftUI/Core Data/CloudKit/NFC & AWS.

### **SCREENPLAY WRITER – 2019-2020**

Wrote a screenplay about the insurance industry which was to be used as the foundation for a new activism business model. Co-founder of the concept and business idea. Project is on hold due to the pandemic.

### **INNOVATOR, NODE 7 (REDWOOD CITY) – 2016-2019**

N7 is an idea engagement platform/app allowing users to assemble tribes around ideas, projects, passions etc and focus the narrative delivery between the idea and its tribe members. As they say: "Ideas that spread tend to succeed"

I developed the product idea and architected a highly scalable service architecture and I implemented of a fully functional (and very large) iOS app and external services..

### **VP OF ENGINEERING, DIVA NETWORKS (SF, JACKSON, TOKYO, COLOGNE) – 2015**

Diva Networks was a unique startup with ambitious plans but lacked in execution.

I was responsible for the development , design teams distributed world wide (30+), rescued a faltering and un-focussed development effort in terms of overall architecture, ethics and inability to deliver. I secured an on-timely delivery of both the iOS and Android products and defined strategy and architecture roadmap. I was also responsible for all partner / sub contractor engagements in Japan as well as participating in funding activities in Japan & Germany. I spearheaded a successful exit strategy so our investors could acquire our technology when our funding efforts failed.

### **INNOVATOR, NYME (REDWOOD CITY) – 2013-2015**

Nyme is an anonymous messaging solution that combined with a 'social' classifieds exchange, provides a safe and anonymous communication & exchange tool for people wanting to communicate/exchange with new and unknown friends.

I developed the product idea and architected a highly scalable service architecture and developed of a fully functional iOS app and external services.

### **CONSULTANT ARCHITECT, ALLOCADE (MENLO PARK) – 2012**

Responsible for the design of the next generation architecture / data models of the On Cue - a patient flow and logistic system based around a NASA proven AI solution.

### **CONSULTANT ARCHITECT, REBEL LABS (HOLLAND, REDWOOD CITY) – 2011**

Designed & prototyped of an innovative UX for a next generation communications tool (iOS): a seamless presentation of text, voice and media elements on mobile devices.

### **WRITER/DIRECTOR/INNOVATOR (JAPAN, CHINA, ARGENTINA,US) – 2004-2010**

Wrote, directed and produced short films, a travelogue, a promotional video and a short documentary in Argentina, Japan, China and the US. Wrote two feature film screenplays that attracted the attention of Milos Forman and Akira Kurosawa's long term producer.

Innovated, architected and developed a number of MacOS & iOS product ideas as well as designed/prototyped the next generation of my model based provisioning system.

### **VP OF ENGINEERING/FOUNDER, AONET/CHORDIANT – 2000-2003**

I pioneered a XML workflow / model based provisioning system for SaaS where end users could self provision applications. AONet was acquired by Chordiant Software in 2001.

I developed the product idea and responsible for the overall architecture and engineering management. Wrote the workflow engine (Java) and led a focussed development team to a successful beta release of our provisioning system integrated / tested with Cosine Communications VPN switches.

When acquired, I led the successful integration of the AONet workflow solution into the Chordiant software stack, continued to lead the AONet engineering team and led the design/architecture of a Routing Service.

### **CHIEF ARCHITECT, BORLAND (VISIGENIC) – 1998-2000**

Chief Architect (consultant) for Enterprise customers, designing & architecting scalable distributed solutions using CORBA/Java/EJB, product support, prototyping, mentoring. Wrote papers and seminars and spoke at various conferences. USA, Europe and Australia.

### **CHIEF ARCHITECT/ENGINEERING MANAGER, HONG KONG TELECOM - 1 YEAR**

Responsible for the architecture of the world's first SaaS infrastructure and led the development teams (40+ in HK & Australia). We managed to successfully delivery our first beta version before a local economic crises resulted in closure of the department.

### **CHIEF ARCHITECT/ENGINEERING MANAGER, OBJECTIF (AUSTRALIA) – 3.5 YEARS**

Objectif was a very successful Telecom Provisioning solution provider for Optus, Telstra and other telcos world wide. I architected all our products and in the first two and half years built a team of 25+ and managed the development process. I pioneered a workflow based provisioning system that cut down new Telco service delivery from its typical 2 year time frame to 2-3 months. All these solutions are still operational around the world.

## SENIOR SOFTWARE DEVELOPER/ANALYST, CRI INTERNATIONAL – 4 YEARS

CRI is a major participant in European Space Agency (ESA) projects.

I was key member of the development team providing CASE tools for all ESA projects. I developed a syntax directed editor for the RAISE Formal Method project and later responsible for the designed / development of a satellite check-out system.

## Education

Aalborg University (AAU) – Master of Science, Computer Science

*[rated as 4th best engineering school in the world - just behind MIT & Stanford]*

University of Technology, Sydney – MBA (2 years, not completed)

Startup Intensive Entrepreneurship program (Sandy Hessler / Silicon Couloir WY)

The Film and Writing Workshops, Maine – Writing/Directing (2 semesters)

## Awards

NeXT Object Awards - Workflow based network management system (Telstra, AUS). I was one of the principal architects / developers on the project.

## Skills

**Expert:** Swift, SiftUI, Objective-C, iOS development, threading, Core Data, PubNub, Neo4j, Cypher, REST, scalable server and mobile architecture, complex solution architecture, NoSQL modeling, object modeling, graph modeling. Self motivating, driven, acquiring new technology skills.

**Excellent:** AWS iOS SDK, DynamoDB, S3, Cognito, CloudKit, MongoDB, CouchDB, Minio, Elastic Search, Java, CORBA, EJB, Data Modeling, Security.

**Good:** Javascript, Node, Express, Angular, Bootstrap, MacOS development, NLP, ML, Python, C/C++.

**Other:** SaaS, PaaS, UCaaS, UI from Meta Data, Workflow, Parser, Agile (Scrum/Kanban), Yacc/Lex, Syntax Directed Editors, Formal methods

## My Innovations (intellectual property)

Workflow Definition Parser for Xerox InConcert Workflow (acquired by Xerox)

XML Workflow Engine (acquired by Chordiant Software)

Model/Workflow based Service Provisioning Infrastructure for Cloud Services

N7 (app/services) an elegant solution to the age old problem of gathering tribes around ideas and deliver a focussed communication of narratives.