

MICHAEL DUPUIS

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19 Haydn Street
Roslindale, MA 02131
207-333-0204

Specialties:

- Application development
- User interface design
- Human Factors Engineering
- Database architecture

Skills:

- Objective-C
- Swift
- macOS and iOS
- SQL
- Xcode
- REST
- User Interface Design
- Human Factors Engineering
- WebKit, UIKit, Foundation, AppKit, CoreData, Quartz and CloudKit
- App Extensions

Education:

University of New Hampshire
- Bachelor of Science in
Computer Science

Profile

Years of experience and a proven track record of designing, building, shipping and supporting macOS and iOS applications. Applications have included MacGourmet and SQLGrinder for macOS, and Nasuni's cloud app for iOS (past), and LinkHoarder and PictureSorter for macOS (new, currently under development).

Experience

Founder, CEO, Chief Architect, Advenio, Inc. — 1999-present

Software architect and developer of successful macOS and iOS products

MacGourmet and SQLGrinder as well as new, unreleased products for macOS and iOS. (Full time role as independent software developer from 2005 to 2014)

➔ **App Development** Design, architect, develop and support macOS and iOS products incorporating extensive use of Cocoa, WebKit, UIKit, Foundation, AppKit, CoreData, Quartz and CloudKit frameworks using Objective-C and Swift.

➔ **User Interface Design** Responsible for user interface design and human factors engineering of all products.

➔ **Full Stack** Designed and maintained corporate web site and backend infrastructures.

Senior Software Engineer, Bank of America — 2020-present

Senior Software Engineer — 2020-present: Responsible for developing features for the Bank of America suite of native iOS apps.

➔ **App Development** Participates in full app development life cycle: concept, architecture/design, build, deploy and test and release to app store.

➔ **Design** Ensures selected solutions are technically and operationally feasible, work with product teams on new product ideas and strategy, translate requirements created by functional analysts into architecture.

➔ **Mentor** Leads, trains, guides and mentors other developers on the team.

Senior Software Engineer, Real Capital Analytics — 2017-2019

Designed, architected and developed a web front-end using Angular and REST services. Designed and implemented typescript middle-tier that provided REST services to the front-end. Wrote Elasticsearch and SQL indexes and queries used to provide data to the middle-tier.

Principal Software Engineer, Nasuni Corp. — 2015-2017

Principal developer of macOS and iOS software clients for Nasuni's archival cloud filer. Software clients allowed users to browse and upload/download data to and from the Nasuni cloud. Accomplishments included taking ownership of existing iOS 5 app and completely redoing and updating the user interface and components to iOS 9-iOS 10.

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Experience (cont.)

Founder, CEO, Chief Architect, Advenio, Inc. — 2005-2015

Software architect and developer of successful macOS and iOS products MacGourmet and SQLGrinder. (Full time)

macOS Consultant, Archivas, Inc. — 2004-2005

Developed software infrastructure for a software-based file storage system, ported storage system to Mac OS X from Linux.

Senior Software Engineer, Skelmir, LLC — 2003-2004

Responsible for adding features to the Skelmir clean-room Java Development Kit, and porting the Skelmir JVM to new embedded devices.

Senior Software Engineer, MeetingMaker, Inc. — 2001-2003

Tasked with implementing web services for the Meeting Maker product using Java. Tasks included building, maintaining and expanding an all-Java API used to communicate with the Meeting Maker server. Additionally, designed and built a Java/XML-based web service for synchronizing PDAs to Meeting Maker servers.

Principal Software Engineer, Abuzz, Inc. — 1998-2001

Responsible for the design, implementation and documentation of an optimized, high performance API used by the presentation layer of the Abuzz website. This API is designed to maximize performance and minimize database load when building all of the JSPs displayed on the site.

Software Engineer III, Cabletron Systems, Inc. — 1997-1998

Responsible for the design, implementation and usability studies for a network management auto-discovery and modeling system (ADaMS) written entirely in Java.

Sr. Software Developer, Natural Intelligence, Inc. — 1993-1997

Developer: Roaster, the first Java development environment for the Macintosh: Implemented and tested various components of Macintosh Java development environment. Database Consultant: Technical lead and primary client contact: Fortune Magazine, Bausch & Lomb.

Software Engineer/QA Cabletron Systems, Inc. — 1992-1993

Worked on quality assurance and testing for the Spectrum Network Management package.

References

Available upon request.