José J. Capó

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Objective

MIT-educated **Senior Agile Software Engineer** seeking a full-time opportunity using **Ruby on Rails,** test-driven development (**TDD**) and pair programming.

Technical S**kills**: Ruby 1.9, Rails 2.3/3, JavaScript, jQuery, Java, C/C++, HTML, XML, HTTP, TCP/IP, Linux

Professional Experience

Senior Software Engineer, SideReel.com by Rovi Corporation, San Francisco, CA   2009 – present
- Added features to this high-traffic web site, where users can search for links to online entertainment, follow shows they find interesting and track which episodes they have already watched.
- Full-stack web development following an agile process with full-time pair-programming, TDD and behavior-driven development (BDD) using Cucumber, Capybara, Selenium, Jasmine and RSpec.
- Converted the web site implementation from Java to pure Ruby on Rails backed by MySQL, working initially with Pivotal Labs.
- Refactored to a service-oriented architecture (SOA) for scalability and to interface with other Rovi products.

Consulting Software Engineer, GlassDoor, Inc., Sausalito, CA   2009
- Extended test coverage for GlassDoor's back-end services that support a large community of users sharing information anonymously about job interviews, salaries and company life.
- Adhered to the Scrum process, with Java/JSP, the Spring Framework, Hibernate and JUnit.
- Enabled users to manage e-mail notification options, which included writing tests, making changes to the SQL database schema and JSP pages and refactoring.

Founder and Principal Software Engineer, Common Voices, Inc., Boston, MA   2001 – 2008
- Hands-on Java/JSP and PHP coding of a full-featured, carrier-grade voicemail application for service providers deploying next-generation VoIP infrastructure.
- Wrote telephony applications that leveraged speech recognition and text-to-speech technology for VoiceXML browsers to provide voice-driven interface and play dynamic data to the caller.
- Implemented scalable, redundant network architectures using standard protocols such as HTTP, LDAP, SMTP, and IMAP with C++ and Java components under Linux.

Manager of Software Engineering, Informio, Inc., Lexington, MA   2000 – 2001
- Developed software in Java and C++ on team deploying nationwide network of hosted VoiceXML voice browsers that serve telephony applications.
- Collaborated on SpeedMail, a telephony service for fast and easy access to Lotus Domino and Microsoft Exchange corporate e-mail, address book, and calendars from any phone.

Manager of Software Engineering, LHS Priority Call, Inc., Wilmington, MA   1995 – 2000
- Led software engineering team that designed / implemented Unified Messaging product.
- Envisioned and implemented oryxVIEW, a pioneering web-based personal communications manager.

Software Engineer, DEKA Research & Development, Manchester, NH   1992 – 1995
- Developed software for early prototypes of Segway Personal Transporter and iBOT mobility products.
- Wrote embedded software and enhanced system architecture of HomeChoice peritoneal dialysis machine.

Education

Bachelor of Science of Mathematics, Massachusetts Institute of Technology, Cambridge, MA   1987
Fluent in English and Spanish. Familiar with French, German, and Russian.

Patents
- "Subscriber Migration System" (#US7085554, issued August 2006)
- "Transportable logic to facilitate a large calling card transaction network" (#US6263060, issued July 2001)
- "Multi-system network addressing" (#US5493607, issued February 1996)