

# JACK SENECHAL

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## INTRODUCTION

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*Software engineer with strong people and management skills, seeking a lead developer or engineering manager role.*

As an engineer I care deeply about quality and precision, not only at the code level but throughout the product. I balance attention to detail with a drive to ship, because a product is only as good as its usefulness to actual people. I enjoy creating lucid user experiences and designing robust software architectures.

As a team leader I bring empathy, solidity, and clarity of communication. I enjoy optimizing processes and refining infrastructure so teams are faced with minimal repetitive load and can focus on high-flying creativity.

I seek a vibrant environment of innovation, a strong team practicing Agile methodologies, and a culture of excellence. It is more than a day job, it is a platform to make a meaningful contribution at a global scale.

## INDUSTRY EXPERIENCE

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Lead Developer, Co-founder, Pegg - 2014 - current

- Development: Design, architecture, and implementation of cross-platform mobile game targeted at iOS and Android via PhoneGap.
- Team Processes: Implementing and honing development workflow with agile methods such as pair programming, testing, and continuous integration. Developing launch strategy, setting up processes and workflows to enable rapid response to issues.
- Business Strategy: product design, monetization strategy, marketing strategy, as well as contributing to the company's mission, vision, and governance models.
- Technology: Famo.us/Flux front-end, Parse/Node backend, Firebase for realtime notifications and chat, Webpack and Gulp build environment, Karma/Chai testing, and continuous deployment to AWS/Cloudfront via CircleCI.

Consultant and Entrepreneur 2008 - 2014

- 2014 - Rapid prototyping of global-graph technologies using XDI. Integration of XDI services with existing Ruby on Rails application. Launched beta cloud name service based on XDI and Node.js.
- Superluminal Systems - 2013 - Helped to develop the Superluminal Learning Management System and launch the first client site. Building data visualizations and UI elements in D3. Wordpress plugin wrangling, development and customization.
- OpenTest Pro, LLC - 2008 - 2012 - Founded the company to provide educational resources relating to automated testing and continuous integration using open source tools in a PHP environment. Technical writing, web application development in Ruby on Rails and Flex, studio voiceover recording, and project management.
- Turnbull & Asser shirtmakers - 2009 - Built a virtual showroom for their bespoke department, allowing users to browse fabrics and place orders. Ruby on Rails backend, Flash frontend.

Web Developer, [OnForce, Inc](#) - New York, NY 2006 - 2007

- Introduced automated testing and continuous integration. Implemented comprehensive test suite for the public-facing API.
- Project managed the implementation of Salesforce throughout the company, and oversaw the administration of the application.
- Integrated OnForce platform with Salesforce APIs to provide up-to-date customer information for sales and support teams.

Development Lead, [JBA Network](#) - Asheville, NC 2003 - 2006

- Project manager and lead programmer for [mynewsletterbuilder.com](#). Architected and implemented the initial release, and later oversaw the development team for the project.
- Developed a modular, evented, MVC programming framework.
- Concept development, project management, and programming for other company products and services, including [www.jukeboxalive.com](#) and [www.byregion.net](#).
- Systems administration and networking (Linux, Windows).

## EDUCATION

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BA in Mathematics, minor in Computer Science from the [University of North Carolina at Asheville](#) (May, 2003)

## VOLUNTEER

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Clairvision School of Meditation (Nonprofit)

- 2014 - Overhauled e-commerce and fulfillment systems, reducing order processing time by a factor of 10. Created shipping and fulfillment application using data from the existing system and presenting it in an intuitive interface for volunteers to process orders, pack items, and print postage-paid shipping labels. Application written in JavaScript with a Ruby/Sinatra backend, using APIs from Stripe and EasyPost.
- 2011 - Developed electronic music systems using open source tools. Trained a team of musicians in basic programming. Wrote arpeggiator and sampler patches for SuperCollider. Prototyped [Reactable](#) clone in PureData.
- 2000 - Developed Java search engine for knowledge base

## OPEN SOURCE PROJECTS

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Enlightened Structure

- Collaborating with the project team to envision and prototype tools for visualizing and navigating the global semantic graph, including augmented reality interfaces, graph visualization, trust and reputation systems, fork-based collaboration, and content-addressable data interchange.

## COMMUNITIES AND CONFERENCES

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- [Building the Collaborative Internet](#)
- [Indie Web Camp](#)
- [Internet Identity Workshop](#)