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Summary

I've worked professionally with many different technologies and teams over the past 15 years, and have designed, collaborated on, developed and deployed applications that make a difference:

- Distance education tools
- Time tracking and invoicing software to manage large software projects
- Tech support tools
- Energy analysis software
- Dynamic reporting systems
- Field service automation and CRM
- Social engagement software for brands, events, and sports teams

In addition I have extensive Java experience at University.

Details

Postano / TigerLogic

Senior Front End Engineer

August 2013 – Present

Technologies: JavaScript, AngularJS, Node.js, Redis, Grunt, D3, jQuery, SCSS, git, Python, lodash / underscore

I was brought in to help Postano launch version 2.0 of their social platform for brands, events and sports teams, which Postano launched successfully in November of 2013. My goal has been to help them deliver the best possible experience to their customers while providing leadership within their software development process. My primary responsibilities include leading architecture discussions within Postano's three major technical teams, interfacing with design and UX teams to translate and communicate technical needs, mentoring junior developers, and building core product.

- Architected and implemented Postano's embeddable JavaScript web software into an extensible framework, providing maintainability and rapid development of new products
 - Designed and built a modal, wizard-centric social management interface using AngularJS' services, directives, a custom router, and MVVM patterns
 - Used Node.js and Redis as a web server for the AngularJS application, an API proxy to provide additional services like authentication, data normalization, caching, and batch processing
 - Led the API design process
 - Gave customers a social data analytics dashboard using NVD3.js for line charts, D3.js for bubble charts, and a custom tag cloud
 - Introduced unit testing using Mocha for both the embedded JavaScript framework and AngularJS
 - Introduced low-overhead processes to maintain stability: introduced a QA process, a standard branching strategy, and a prototype-to-deployment process that maintains agility
 - Used the lodash / underscore templating engine to apply layouts to social media posts from a variety of sources
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IGS

Technical Co-Founder

September 2011 – August 2013

Technologies: JavaScript, haml, PhoneGap, Kendo, iOS, Android, jQuery, CSS3, HTML5, AWS, Ruby, Rails, Postgres, git, Solr

IGS built dispatch management applications for the heating, cooling and air-conditioning industry to help small business owners optimize the schedules of their technicians and installers. As the technical co-founder I participated in all aspects of business and technical development. My primary responsibilities included product development and delivery, including

personnel management and budgeting, product roadmap, market analysis for feature discovery and design, as well as building the core product and supporting it.

- Provided architecture, project management and built a majority of the single page dispatch web application using Rails and a custom front-end routing library I built called [lunchbox](https://github.com/sillydeveloper/lunchbox) (<https://github.com/sillydeveloper/lunchbox>) that allows a single page application to be stateful with multiple modal-like application states
- Managed three contract developers and two contract designers, as well as worked with three agencies, to help bring IGS to life
- Managed company AWS infrastructure, including deployments and environment management
- Used Kendo and PhoneGap to build and deploy a mobile version for technicians in the field
- Built company from successful MVP experience to fundraising to sales and support; provided COGS and new feature analysis along the way
- Used haml templates for markup

AirAdvice

Principal Software Engineer

2006 – September 2011

Technologies: PHP, MySQL, Gearman, jpGraph (charting), VB, Salesforce, C, Jenkins/Hudson, JavaScript, jQuery, git

At AirAdvice my role was to provide technical leadership in modernizing their existing applications and develop new energy products to break into new markets. I held the title of Principal Software Engineer from 2007-2011. My responsibilities included establishing technical feasibility, providing architecture, giving mentorship, gathering requirements from customers, establishing the company's technical roadmap, as well as contributing heavily to the development of core products.

- Led a team of three developers, a QA engineer, and a designer to develop a service oriented architecture for building environmental monitoring data that included energy modeling software, report generation, and data aggregation systems
- Took complex input requirements and architected, built, and deployed web-based wizards to take in building technical data from customers and provide energy analysis, using JavaScript and an object oriented [MVC PHP framework](https://github.com/sillydeveloper/ploof) (<https://github.com/sillydeveloper/ploof>) I created
- Designed and implemented a data analysis toolset in PHP that could calculate building performance based on a variety of heuristics: when lights were left on at night, whether or not a building's economizer was working properly, or if the temperature in the building was meeting the building management system's schedule
- Built charting tools on top of jpGraph to display additional building data like occupancy schedules
- Accessed Energy Star APIs and data for scoring buildings and managing customer building portfolios
- Ensured quality releases with continuous integration from Jenkins (Hudson at the time)
- Managed a small team of developers, designers and quality assurance engineers

Lunar Logic

Software Developer II

2004 – 2006

Technologies: Java, Spring, Hibernate, PHP, Ruby, Rails, MySQL, JavaScript, Prototype, Flash, SVN

My team at Lunar Logic was in charge of internal applications for a 180 person development crew their support staff. We also provided some light external subcontracting.

- Developed and deployed an online purchase order system for the University of Oregon that integrated with their internal systems in Java, Spring, and Hibernate
- Built a tech support system in an early version of Ruby on Rails with many of the features you see in current customer support systems, including automatic email handling, call grouping and assignment, and time reporting
- Built the company's internal calendar groupware and time tracking systems that provided project managers with the ability to track and cost the large software development projects that Lunar Logic managed in PHP (we also custom built our own MVC framework for these projects, including ORM with lazy loading)
- Worked with Levi-Strauss' accounting department to consolidate internal tracking systems, using Microsoft tools
- Composed RFP responses with the technical writing team

Other Highlights

Lane Forest Business Development

2003 – 2004

Technologies: PHP, JavaScript, Flash, CSS

Business tools and software support to a wide array of business processes and product lines. Custom CMS with product tracking and reporting tools in PHP and JavaScript.

University of Oregon

2001 – 2002

Technologies: VB, SQLServer

Rebuilt the Knight Library Systems Department's billing and late fee management system. Included rigorous error checking consummate with working with financial data, integration with the main University account management systems and a new desktop front-end in VB. Most of the application logic was in T-SQL.

PremiereLink Communications

2000 – 2001

Technologies: ColdFusion, JavaScript, CSS

Providing software development for a variety of clients throughout the Northwest, I built a reusable inventory tracking, shopping cart, and CMS system with approval mechanisms, simplified HTML markup and application deployment systems.

Oregon State University

1998 – 1999

Technologies: ColdFusion, JavaScript, CSS

Built one of the first online course tools for the Communications Media Center. The system integrated with the main course catalog, and gave professors access to a variety of tools to help them build online course content including tests.

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References provided on request.