

**Michael  
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**Objective** Improve applications by fostering team growth and productivity. Apply technical leadership to improve internal tools and process.

**Education** California State University, Bakersfield, CA  
BA in Communications and Art - Double Major  
Minor in Marketing  
Graduated: Fall 2009

Bakersfield College, Bakersfield, CA  
AA in Graphic Design  
Graduated: Fall 2006

**Employment** **Technical Director of Product: Helios Interactive**  
Lead teams building internal and external products and tools. Conduct code reviews, develop standards, and ensure product quality. Help identify internal tools that reduce redundancy and increase efficiency. Run devops committee and push for projects to run through CI/CD.

- Lead development of flexible Node.js API tracking user experience data and social metrics
- Internal and client facing data collection and security
- Identify and facilitate development of internal libraries
- Group common requests into turn-key products
- SOW planning and discovery
- Consulted internally for back-end development expertise

**Full-Stack Developer: Muut**

- NodeJS application development
- Wrote integrations for migrating from other platforms to Muut
- Implemented distributed ZMQ message broker for microservice architecture
- Added automated tests for integrations with core message API
- Took part in customer support to learn pain points of the consumers

### **SVP, Development: Billaway.com**

- Helped design and write a Ruby/Rails API to reward and track "points" earned by users, manage user accounts and payments. In particular I handled DBA and Quality Analysis of our API
- Built, from the ground up, a PHP interface for the Ruby API. This platform, built on CakePHP, allows for the quick deployment of thousands of branded systems to interface with the Billaway API. An example of this in action can be seen at <http://lyfepoints.com/>
- Write custom helpers to handle form markup, menu generation, coupon display, and text replacement
- Write components to handle custom authorization with the API and coupon generation and pagination from document response
- Modify <https://github.com/tim-kos/CakePHP-Asset-Management-Plugin> to work with Cake 2.3 and added support for asset caching to AmazonS3
- Write dozens of theme templates, template parts, elements and layouts for Billaway's varying clients
- Profile with Xdebug and CacheGrind to find slow processes in Cake's sub template engine and write new methods to cache template directories and files
- Maintain 6 production servers, 2 load balancers, email, DNS and cloud storage on Amazon

### **Director of Development: NeighborOil.com**

- Developed and maintained a NeighborOil "plugin" for WordPress as well as a theme and child themes
- This plugin processed thousands of payments for home heating oil, determined market price, processed rewards and tracked users interactions with the platform
- Built complex point rewards system based on social media interaction, sign-ups, and points which users applied towards purchases of home heating oil
- Built complex email campaigns through MailChimp, SendGrid, and Amazon SES, integrating with user data
- Administer database and create complex relationships in MySQL
- Wrote MySQL procedures to assist with points management and reporting

- Performance tune MySQL database with slow query logging
- Administer Linux servers, install LAMP stack and configure virtual hosts
- Sunset NeighborOil into <http://lyfepoints.com>

#### **Developer: Registration Station**

- Company specific application for tracking DMV forms, tracking vehicle progress, notifying customers and automating tasks
- Setup CakePHP with ACL for in-house data tracking
- Built an interface for adding customer information into a MySQL database
- Added flags to customers and vehicles to group them for tasks
- Automated email reminders to customers that vehicle registrations were about to expire or that new vehicle information was needed or added
- Built PDF parser with FPDF. Ability to upload a PDF containing forms and map the form fields to fields in the database so the company could prefill the pdf form automatically

#### **Lead Developer: Fluxar Studios**

- Build and deploy mobile web applications
- Oversee work done by other developers both in house and contract
- Maintain existing sites built by previous developers
- Create and distribute classes for consistent in-house web architectures
- Advise project manager on time needed to complete projects (estimate time)
- Track time to better manage project estimations
- Develop or oversee all web projects
- Integrate many of their websites, past and present, into WordPress
- Please view <http://www.fluxar.com/> for work references
- Wrote <http://m.fluxar.com> for mobile devices using Sencha framework

**References** Available Upon Request

