

Sonyl Nagale

339 W. 20th St., #2F

New York, NY 10011

323.793.3369 [m]

sonyl@nagale.com

EDUCATION

Iowa State University

AMES, IOWA

1998-2004

B.F.A., Graphic Design

B.A., Philosophy

MINOR: Spanish

Areas of Study and Interest:

Computer Science,
Moral and Ethical Theory,
Philosophy of Artificial
Intelligence, Linguistics,
Human Language study

EXPERIENCE

NBCUniversal, O&T, DPIM
NEW YORK, NEW YORK

Principal Software Engineer / NOV 2016–MAR 2018
Senior Software Engineer / APR–NOV 2016

Responsibilities & Highlights

- Write Drupal 8 unit tests for next-generation CMS offering by O&T
- Assist the Telemundo.com development team by providing a dedicated engineering resource for editorial enhancements, taxonomy cleaning, and other priorities for the editorial team, utilizing Drupal, MySQL, and other technologies
- As the sole maintainer of two TV Everywhere (TVE) internal services, improve the internal and external experience by executing branding updates, front-end changes, and feature updates
- Augment the TVE Apps team by enhancing and maintaining the Apple TV applications for various NBCU brands by providing day-to-day coding and architecture support for the latest iteration of the applications
- Analyze Akamai offload and application performance to increase efficiency for the next-generation Apple TV PHP backend application

General Assembly
NEW YORK, NEW YORK

JavaScript Circuit Mentor / JUL 2016–PRESENT
Instructional Associate / MAY 2017–PRESENT
Instructional Lead / SEPT 2017–PRESENT

Instructional Lead

- Teach JavaScript to 15-20 students for the JavaScript Remote course in an online video classroom setting, from basics through jQuery to API usage in ES5
- Assist students with content debugging and general code problems

Instructional Associate

- Serve as a teaching assistant for the JavaScript Remote course, answering student questions and grading homework assignments and unit projects
- Assist students in understanding ES6 and coach through project ideas

JavaScript Circuit Mentor

- Meet with online JavaScript students working through an asynchronous ten-to-twelve-week course by holding individual video 1:1 sessions each week
- Answer content questions and debug code problems over email
- Offer career advice to students looking to make a transition into Front-End web development
- As a subject matter expert, advise instructional team on content creation to support student learning goals and overall program value proposition

Livefyre
NEW YORK, NEW YORK

Solutions Architect / 2015
Solutions + Delivery Engineer / SEPT 2013-2014

Responsibilities & Highlights

- Assist the global sales organization by answering technical questions from prospects to ensure comfort and fit with the technologies offered

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- Craft proofs-of-concept of solutions utilizing Livefyre front-end and back-end technologies to meet specific use-cases presented by clients or prospects, including visual comps and demoware
- Guide the Client Solutions team of Solutions Engineers to assist clients in constructing sustainable, future-facing executions of the Livefyre platform and technologies
- Architect and develop a flexible, subdomain-based demo microsite for prospects to familiarize themselves with Livefyre technologies, as both a sales and engineering education tool
- Coding in Node.js, PHP, Python, and JavaScript to craft custom solutions
- Assist in answering Security Operations documentation for prospects and facilitate SecOps changes to the platform when the need arises
- Act as a conduit between Sales, Product, Engineering and clients/prospects
- Lead clients through technical questions in pre-sales and often through post-sales delivery, hand-holding, white-gloving, and ensuring client success

**FOX Network Engineering &
Operations, Digital Media**
LOS ANGELES, CALIFORNIA

Systems Lead / Senior Developer,
FOX Entertainment Properties / JAN–MAY 2013
Development Team Lead / Senior Developer,
AmericanIdol.com / 2011–2012

Responsibilities & Highlights

- Assist in planning and execution of high-performance architecture and implementation of the AmericanIdol.com, Fox.com, and TheXFactorUSA.com webapplications
- Oversee server usage, coding, and virtualization usages to support high-traffic sites
- Provide leadership and recommendations on making technology decisions, timelines, and priorities in a vendor/client relationship with Fox Broadcasting Company's Product and Brand Management teams
- Extensive coding in PHP and JavaScript with an eye towards reviewing and refactoring others' codebases for efficiency, performance, and security within Zend Framework 1 & 2
- Interact with product owners and stakeholders in kickoffs and handoffs to define product and technology requirements for deliverables
- Lead and mentor a small team of developers, ranging from junior to senior
- Explore new technologies and strategies for continued Front End and Back End Optimization strategies to continue to increase Akamai origin offload (maintenance goal at 90–98% offload from both Back-end Optimization and Front-end Optimization strategies, utilizing Aqua Ion, etc.)
- Implement stable-trunk, feature-branch methodology using SVN with shell script for one-step deployment process
- Complete custom Akamai University course for Dynamic Site Accelerator
- Manage implementation of Akamai configurations and new site buildouts from initial Edge hostname setup through to configuration implementation and deployment
- Craft Ajax-based mobile microsite content delivery strategy

Interface with and Manage Vendors

- Assist in coordinating offshore development team (*X-Team*)
- Coordinate implementation of third-party codebases (*Lithium, Livefyre, Gigya*)

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- Manage relationship with Akamai Technologies for advanced caching solutions leveraging ESI for dynamic content inclusion and other performative strategies
- Guide Telescope, Inc., in JavaScript implementation for 2nd generation voting solution

Online Voting

- Architect, develop, and support an online voting JavaScript application and server infrastructure used by *American Idol*, *So You Think You Can Dance*, and *The X-Factor USA* utilizing client-side cacheable codebase and a minimum of server calls for vote processing, each for two seasons
- Interface with Akamai architects in crafting and implementing CAPTCHA solution with EdgeComputing, client-side RSA256 encryption, and NetStorage integration
- Implement end-user login with Facebook for user authentication
- Work closely with Akamai Solutions Architect in ongoing maintenance of voting system
- Manage caching strategies and Akamai configs for 2nd generation voting solution

**FOX Interactive Media /
FOX Broadcasting Company/
FOX Digital Media**
LOS ANGELES, CALIFORNIA

Developer, AmericanIdol.com
2008-2011

Development

- Architect and develop Flash video player based upon the Open Video Player (OVP) spec utilizing ActionScript 3 in MVC design pattern
- Architect and implement multiple JavaScript widgets and features, utilizing Ajax to provide added functionality and dynamicism to AmericanIdol.com
- Implement visual comps into functional, standards-compliant web pages using HTML, CSS, and JavaScript
- Program various Adobe Flash visual components utilizing ActionScript 3, including use of XML feeds and JavaScript instantiation-level variables
- Introduction and development of new site-wide Flash components drawing upon dynamic data for image display
- Utilization of the MooTools and jQuery JavaScript frameworks to create dynamic visual components, including introduction and development of Google Maps information display utilizing geocoding, JavaScript, and CSS
- PHP coding for back-end integration with MySQL database with Zend Framework 1
- Writing of custom JavaScript functions for front-end display manipulation

Management and Third-Party Coordination

- Interface with Product owners and provide guidance on technology decisions in a vendor/client relationship with Fox Broadcasting Company
- Manage vendor relationships including integrating ad serving via JavaScript or Flash with video player as well as on-page, as well as implementing performative solutions with Akamai Technologies (*Freewheel*, *Akamai*)
- Planning and implementation of development for Flash video player content services and streaming, including ad vendor integrations (*Panache*, *Freewheel*)

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REFERENCES

Bill Endow

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818.777.4851

Director, Software Engineering | NBCUniversal, O&T

Relationship: Direct manager at NBCU

Bruce Ableson

ableson@adobe.com

908.581.0544

Director, Livefyre Strategy & Solutions | Adobe

Relationship: Direct manager at Livefyre

Gibron Kury

gibron@adobe.com

510.755.0644

Sr. Engineering Manager | AEM Livefyre / Adobe Social / Engage

Relationship: Mentor at Livefyre

Courtney Hoskins

courtney@quartzfilms.com

310.570.8540

Front-End Developer | General Assembly Instructional Associate | Freelance

Relationship: Former colleague at FOX Entertainment / GA current colleague

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