

Bill Trikalinos

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SUMMARY

I am a **software engineer** with experience in **web development** and expertise in **Javascript**.

My experiences vary from creating web sites, reusable components and fully featured rich user interfaces, to being a system administrator as well as to design and implement complex architectures.

I really enjoy using the latest web technologies and always welcome the opportunity to learn something new.

SKILLS/TECHNOLOGIES

Front-end: Javascript/ES6/ES7, React, Redux, Immutable.js, Backbone.js, Marionette.js, CoffeeScript, jQuery, SCSS, Require.js, Browserify, Babel, Grunt, Gulp

Back-end: Ruby On Rails, Ruby, node.js, Laravel, PHP, MySQL, MongoDB, PostgreSQL (PostGIS), redis, bash

Other Languages: C, C++, Java (university level)

Methodologies: Scrum, Kanban, TDD

Testing: Teaspoon, Enzyme, Karma.js, intern.js, Mocha, Chai.js, Sinon.js, Zombie.js, CasperJS,

Web Communications: XHR, JSONP, XDomain, REST APIs, WebSockets

Other: git, Unix, Phonegap, Photoshop

WORK EXPERIENCE

Front End Engineer

11/2014 – Onwards

Workable.gr (Athens)

- Supported and implemented new features for main product as well as for its web-app counterpart, using (and mixing) **React/Redux**, **backbone.js** and **marionette.js**
- Worked with the **testing** workflow – performance enhancements, automations. Helped to create **e2e testing suite** with supporting for **touch** gestures for the mobile version of the app, and to bootstrap our **React/Redux** testing setup
- OS work on a **backbone extension** providing mutex like functionality on model operations, on a lodash like library for **Immutable.js**, and also a benchmarking testbed project to ease out local js perf testing.

Javascript Software Engineer

10/2011 – 10/2014

skroutz.gr (Athens)

- Skroutz analytics:** X-Domain tracking platform that tracks and reports data inside affiliated sites. Designed and implemented the Javascript client. Vanilla Javascript, X-Domain session tracking, X-Domain communications
- Rewrote the whole JS codebase** using Coffescript, AMD modules and Require.js. Also created reusable components and plugins
- Chrome extension** that consumes the REST API of the site. Implemented the OAuth2 dance
- Inception, design and implementation of JS **continuous integration testing platform**, using Testswarm and Jenkins
- jQuery plugins:**
 - Selectorablum
 - Templating wizard
- Widgets and widget-loading library** that implemented JSONP and Cross-browser events handling

Software Engineer

02/2011 - 10/2011

Generation-y.gr (Athens)

- Created** a number of **web-sites** from the **.PSD** up
 - HTML, CSS, Javascript** and **Ruby On Rails** development
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Software Engineer / System Administrator		02/2010 - 01/2011
<i>Mindradio.gr (Athens)</i>		
<ul style="list-style-type: none"> • Dedications: Web-app implementing a dedications system. Backend that provides playlist like auditing of submissions, integration with existing Icecast scheduling mechanism. Client that integrates with Facebook API and provides audio recording • HTML, CSS, Javascript and PHP development for the company sites and the admin interfaces • Unix daemon creation that monitors changes in files and updates database accordingly • Web-based File Manager 		
System Administrator		01/2005 - 06/2005
<i>Support Department, Computer Science Department, University of Ioannina</i>		
<ul style="list-style-type: none"> • Maintenance and support • Accounts management • System Administration (BSD, Solaris) 		
Software Engineer – Web Developer		2010 - Onwards
<i>Freelancer</i>		
<ul style="list-style-type: none"> • Created two Phonegap apps: <ul style="list-style-type: none"> ◦ Android and iOS apps for welcomepickups.com using framework7, backbone.js and marionette.js ◦ Created an e-book reader featuring bookmarking on paragraph level and search • Created a number of responsive web-sites using the Laravel PHP framework <ul style="list-style-type: none"> ◦ http://www.max-e-mize.co.uk ◦ http://www.petrinonaxos.gr ◦ http://www.evrofarma.gr • Created a custom ERP solution using PHP • Personal project tracking web-app using the Ruby On Rails framework • RubyOnRails based website to provide sensible cinema filtering using backbone.js and marionette.js. Implemented parser for data retrieval using node.js 		
OPEN SOURCE PROJECTS		PROFILES
<ul style="list-style-type: none"> • github.com/skroutz/analytics.js • github.com/skroutz/selectorablum • npmjs.com/package/karma-fixture • npmjs.com/package/simple-benchmarkjs-runner • npmjs.com/package/generator-benchmarkjs-runner 		
<ul style="list-style-type: none"> • github.com/billtrik • stackoverflow.com/users/659610/basiloungas • linkedin.com/pub/bill-trikalinos/a/85b/1ba 		
EDUCATION		
BSc in Computer Science , University of Ioannina		2013
<p>Thesis: "Alternative web services for online distribution of digital images"</p> <p><i>Performance and scaling comparison between the blocking resource per request model of Apache/PHP and the asynchronous non blocking model of node.js.</i></p> <p>Courses:</p> <ul style="list-style-type: none"> • Web Development (Javascript, PHP, jsp-servlets, XML) • Object Oriented Design Principles (Single Responsibility Principle (SRP), Liskov Substitution Principle (LSP), Low Coupling Principle (LCP), Dependency Inversion Principle (DIP), Open-Closed Principle (OCP), Interface Segregation Principle) • Parallel Processing (MPI, OPENMP) • Network Programming (BSD Sockets) • Computer Systems Security (Buffer overflows, Man-in-the-middle attack) 		
LANGUAGES		
<ul style="list-style-type: none"> • English - Cambridge Proficiency degree • Greek – Native 		
INTERESTS		
<i>Motorcycles, Gaming, Music, Cinema, CrossFit, Martial Arts, Travelling</i>		