

Vasileios Trikalinos

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SUMMARY

I am a **software engineer** with experience in **web development** whose main field of expertise is in **JavaScript** and with a constant focus on **performance**.

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, hapi.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, Phonegap/Cordova, Photoshop

OS of preference: OSX

WORK EXPERIENCE

Senior JavaScript Software Engineer

10/2016 – Onwards

R3PI (Zurich)

- Implementation of micro services on node.js using a proprietary framework build on top of hapi.js
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Front End Software Engineer

11/2014 – 8/2016

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.
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Javascript Software Engineer

10/2011 – 10/2014

skrouz.gr (Athens)

- **Skrouz 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
 - Implemented some **jQuery plugins** with most notable the Selectorablium.js project
 - **Widgets and widget-loading library** that implemented JSONP and Cross-browser events handling
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|---|-------------------|
| Full Stack Software Engineer | 02/2011 - 09/2011 |
| <i>Generation-y.gr (Athens)</i> | |
| <ul style="list-style-type: none"> • Created a number of web-sites from the .PSD up • HTML, CSS, Javascript and Ruby On Rails development | |
| 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 | 2010 - Onwards |
| <i>Freelancer</i> | |
| <ul style="list-style-type: none"> • Created two Phonogap 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 |

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| EDUCATION | |
| BSc in Computer Science , University of Ioannina | 2013 |
| Thesis: "Alternative web services for online distribution of digital images" <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> | |
| Courses: | |
| <ul style="list-style-type: none"> • Web Development (<i>Javascript, PHP, jsp-servlets, XML</i>) • Object Oriented Design Principles (<i>Single Responsibility Principle (SRP), Liskov Substitution Principle (LSP), Low Coupling Principle (LCP), Dependency Inversion Principle (DIP), Open-Closed Principle (OCP), Interface Segregation Principle</i>) • Parallel Processing (<i>MPI, OPENMP</i>) • Network Programming (<i>BSD Sockets</i>) • Computer Systems Security (<i>Buffer overflows, Man-in-the-middle attack</i>) | |

LANGUAGES

- **English** - Cambridge Proficiency degree
 - **Greek** – Native
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INTERESTS

Motorcycles, Gaming, Music, Cinema, CrossFit, Martial Arts, Travelling
