

Sufian Rhazi

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Goal

I want to build things that help people, take pride in my work, and never stop learning.

Employment

Jan 2010—Jul 2014: *Senior Staff Engineer at IMVU*

Requirements

- Lead and support small teams of engineers to contribute to the design and implementation of projects.
- Work with product owners & designers to determine project feasibility and weigh feature trade-offs with implementation timeline.
- Drive adoption across the engineering organization for stronger and more efficient development standards.
- Read, debug, fix, refactor, profile, analyze, and write code.
- Write and review technical designs.

Notable Projects

Back-End HTTP "REST" API Framework

PHP HTTP framework unifying authentication & authorization, input & output validation, increased code reuse, and improved efficiency when calling services from hosts capable of executing the request themselves.

Improved back-end ease of development, allowed QA to test and detect regressions in our back-end API, improved service migration via HATEOAS, content negotiation allowed for flexible responses based on client needs.

imvujs

Open Source Repository: <https://github.com/imvu/imvujs>

JavaScript foundation library and toolkit for application-agnostic development targeting IE8+, FF, Chrome, (mobile) Safari, and node.js.

Web Asset Build & Deploy System

Compiled static resources (image/CSS/javascript/etc...) to refer to each other by content hash, allowing for "infinite" caching by HTTP proxies and CDN.

Reduced bandwidth served for static resources to our cluster, increased cache hit rate, decreased total page load time.

Front-End "ui-core" Application Framework

JavaScript framework built on imvujs and Backbone.js for IMVU-specific front-end applications with our back-end "REST" framework utilizing websockets and our internal message queue for real time updates of back-end data, automatic UI tracking sent to our data warehouse for analysing usage patterns.

Set standards for new front-end projects to use this framework; first application was a revamp of our legacy asynchronous messaging feature to become a hybrid sync/async multi-user threaded conversation messaging application.

Technologies

Apache	Backbone.js	Buildbot	Erlang	git	Go	gunicorn	Handlebars
HAProxy	Haskell	HTTP	JavaScript	jQuery	Linux (ubuntu)	memcache	MySQL
nginx	PhantomJS	PHP	Python	Redis	SASS	SCons	Selenium
strace	subversion	TCP/IP	tcpdump	Typescript	Twig	UglifyJS	Varnish

Sep 2006—Nov 2009: *Software Engineer at Sendio, Inc.*

Requirements

- Develop front-end and back-end software for our anti-spam appliance.
- Install and debug physical 1U appliance in various network environments.

Technologies

Apache	C	Django	djbdns	Java	JavaScript	Linux (RHEL)	PAM
PostgreSQL	Python	gmail	RPM	SELinux	SMTP		

Education

University of California, Irvine. *BS, Information & Computer Science*