Patrick Smith

Product Developer & Design Engineer   *Phone* · +61 448 525 425

icing.space   *Email* · patrick@burntcaramel.com

PROFILE

I am a passionate developer who likes to get my hands on projects. I have over a decade of commercial experience in full-stack web development, and independent product development and design. I have excellent experience in object-oriented design and functional programming, writing well-tested and easy-to-change code.

I have developed a reputation as an efficient and effective worker, operating either self directed or in tight-knit teams. I am passionate about user experience and design, collaborating closely with those involved in the team.

I solely designed and developed 3 Mac and 1 iOS application, launched onto the App Store. I also was a key designer and sole developer of InfinityList.com, which at its peak received 400K visits and 1.4M page views per month.

EDUCATION

Bachelor of Multimedia Design, Swinburne University, Melbourne, 2009

PROFESSIONAL EXPERIENCE

Elevate Partner (Melbourne/remote, 2020 – 2023)

Full Stack Developer & Team Consultant

• Web apps using React, Angular, TypeScript, RxJS, Ruby on Rails, C#, AWS

• Onboarded new hires onto team and got them productive quickly

• Challenged developers/designer at all levels to communicate problems openly, and to collaborate with other teams more closely. Demonstrated they could be the change they want to see happen

• Collaborated with front-end, back-end & design to identify problems at one end that affected the other (e.g. effect of event sourcing on user experience and complexity of front-end implementation, or unpacking a design to find its purpose and finding a simpler-to-implement solution)

• Lead projects focusing on a lighter-weight approach to planning, emphasising instead on learning while building

• Lead design & development of an admin dashboard with sales data, reconciliation, and CRM, incorporating feedback of sales & support teams to create a simple UX that was also straight-forward to implement

Cogent (Melbourne, 2018 – 2020)

Full Stack Developer

• Web apps using React, TypeScript, RxJS, Ember

• Web apps & APIs using Ruby on Rails, Node.js, Scala, AWS

• TDD & BDD using Jest, React Testing Library, Rspec, Capybara, Cypress

• Mobile app using React Native

• Integrations with Stripe, Xero, S3

• Collaborated closely with designers

• Agile sprints with kanban, regular retros & one-on-ones

• Ran fortnightly brown-bags with team to share learnings about technical, design, team, and products topics

Coder Academy (Melbourne, August 2016 – January 2018)

Lead Educator, Full Stack Developer

Taught and mentored ~90 students new to web development in 3 intensive six month courses

• Planned & delivered ~190 lessons

• Mentored three classes of students, most who had never coded before, to become full-stack web app developers

• Managed two full-time teaching assistants

• Ruby on Rails 4 & 5

• React 15 & 16

• Built REST APIs using Node.js

• Authentication using Devise and Passport

• Also taught design: user stories, wireframing, typography, mobile-first, responsive page layout

Carter Digital (Freelance, July – August 2016)
australianballet.com.au

React Development Consulting

• React v0.14

• State management using Redux, coaching on best practices

• JavaScript, AJAX, CSS

Movideo (Freelance, June 2015 – February 2016)

danet.vn, dreamworks-asia.com

Full Stack React & Node.js Developer

- React.js v0.13 & v0.14

- Express REST API using Node.js

- ES2015 Javascript via Babel, AJAX

- Used RxJS to flow of data in Node.js

- Responsive SCSS/CSS using BEM, CSS3 animations for parallax

- Elasticsearch querying to quickly fetch filtered results

- Used Redis to cache crucial data, CouchDB

Logline (Freelance, 2015 – 2017)

loglineapp.com

App Developer

- Application features developed using the Cocoa framework

- Object-oriented design using Objective-C

- Concurrent data processing using Grand Central Dispatch

Optimising (Richmond, September 2014 – February 2015)

Front-End & Wordpress Web Developer

- Wordpress, HTML5, jQuery, Jekyll, responsive CSS, Foundation

- SEO implementation, UX auditing of existing websites

SapientNitro (Fixed Contract, Shangai & Singapore, February – April 2014)
MetLife: www.metlife.com.cn

Front-End Web Developer

- jQuery & JavaScript web app, responsive SCSS/CSS, Bootstrap, Compass, SVN

George Patterson Y&R (Fixed Contract, August – October 2013)

www.defencejobs.gov.au

Front-End Web Developer

- SCSS/CSS, JavaScript, jQuery, AJAX, Foundation, Compass, Grunt, SVN

- Mobile sites

- Asana, Jenkins

Virtual Spectator (Freelance, 2013 – 2014)

Front-End Web Developer

- JavaScript, jQuery, Responsive SASS/CSS with rich CSS3 animations

InfinityList.com (Director, July 2011 – 2014)

Founder, Sole Developer, Designer

- Priotised features balancing internal administration desires, business needs, and user focused experience
- Custom WordPress theme with custom routing, custom fragment caching with Memcache
- Custom MySQL-based video favouriting and top charts system
- Optimised SQL queries & PHP execution using custom app integration with plotting of function execution time and SQL statements
- Created curation admin system to allow triaging of dozens on videos every day to 3–5 picks
- Designed and built interactive video slider that contributes to 30+ minutes average time on site
- Custom responsive video and image lightbox using jQuery and Coffeescript
- Used Facebook sign in to securely create account without needing a password
- Designed intuitive navigation, with subcategories, their own top charts, user accounts, interviews
- Built a extension using Google Analytics API and D3 to view audience stats overlaid on each page
- Used an early version of React (2014) to build a triaged curation system
- Instrumental in creating a high quality experience
- Created an appealing design and helped create iconic branding
- Researched and integrated multiple ad platforms, affiliate links, and sponsorship campaigns
- User research with regular survey
- Also furthered my experience with videography and photography

Mister Zimi (Freelance, 2009 – 2013)

misterzimi.com

Web Development, Content Management

- Custom CMS built in PHP, Custom slider using jQuery, *c*ross-browser CSS with IE6 compatibility
- Photoshop image adjusting, workflow using actions

Ocean Rafting (Freelance, 2013)

Design & Front-End Web Developer

- Extracted key functionality from InfinityList into a white-label product
- JavaScript, jQuery, SCSS/CSS, Node.js, PHP, WordPress, YouTube & Vimeo API
- Web design in Photoshop

Wilsana (Freelance, 2012)

www.wilsana.com.au

Web Designer & Developer

- Visual design using Photoshop
- Custom CMS built in PHP, JavaScript & jQuery, CSS with IE 6 compatibility

The Drop (Freelance, 2011)

Front-End Web Developer

- JavaScript, jQuery, CSS, PHP, WordPress

Sweet Design (Freelance, South Melbourne, 2010)
Front-End Web Developer

- Custom CMS built in PHP, JavaScript, jQuery, HTML/CSS with IE 6 compatibility

Blue Post, South Melbourne (Part Time, April – September 2010)

Post Production Assistant

- Learned about working in a successful small creative business that worked on TV series, documentaries, and film clips.

Cylinder, Richmond (Freelance, Sept. – Nov. 2009)

Web Developer

• HTML/CSS, Photoshop image editing

Qube Konstrukt, Richmond (Internship, Apr. – May 2009)

Animator

• Hand-drawn animation, scanned and cleaned up in Photoshop, and animated using After Effects

INDEPENDENT PROJECTS

Lantern (Self directed Mac app, April 2015 – Present)
github.com/RoyalIcing/Lantern

Mac App Product Design & Development

• Swift, Cocoa, Auto Layout, Xcode

• UI design, Auto Layout

• Version control using Git

• Dependency management using Carthage

• iTunes Connect

• Copywriting

• SCSS, HTML5

• Icon design using Sketch & Photoshop

Blik (Self directed Mac app, June 2014 – Present)
github.com/RoyalIcing/Blik

App Product Design & Development

• Object-oriented App development in Objective-C, Cocoa, Xcode

• Keynote prototyping, paper wireframing

• UI design, animation using Core Animation, Auto Layout

• Version control using Git

• Designed landing page in Sketch

• Copywriting

- SCSS, HTML5
- Icon design in Photoshop

Hoverlytics (Self directed Chrome Extension, 2013 – 2014)

Product Design, Web Development, Marketing

- Designed product to allow quickly looking up current page's audience analytics in compact overlay
- UI design using Photoshop
- Used Google Analytics API to load
- Chrome Extension development, bookmarklet
- Backbone.js, animation using jQuery
- Interactive charts using D3.js
- Coffeescript & JavaScript
- SCSS/CSS3

SELECTED OPEN SOURCE

Orb · Elixir DSL for writing and compiling WebAssembly.
github.com/RoyalIcing/Orb

react-organism · React library to enhance pure components with async loading, state management, and frame-by-frame animation.
github.com/RoyalIcing/react-organism

Shohin · Swift library for declarative components and state management for iOS inspired by Elm & React.
github.com/RoyalIcing/Shohin

SKILLS

- Great communication skills. Able to explain design decisions and concepts well. Comfortable delivering talks and lessons.

- Excellent problem solving skills. Strong attention to detail.

- Applies UX thinking to create simple and intuitive experiences. Uses layout, hierarchy, and typography to create elegant designs.

- Excellent at mentoring others, from motivating, to ensuring projects get complete to a high standard, to training on technical, design, user experience & business.

- Enjoys working in a team environment.

- Great experience working from top to bottom on projects, from client liaising, concept development, product design, coding, exploring and applying the best fitting technologies, and customer feedback.

- High-level skills in Photoshop, Illustrator, Sketch, Keynote — UI, web design, and photograph editing.

- Great experience with front-end: HTML5, CSS3, SCSS, Responsive Design, ES2015+ JavaScript, TypeScript, React.js, RxJS, Ramda, MobX, Redux, Jest, react-testing-library, Babel, Rollup, Webpack, Browserify, Vue, BEM, Atomic CSS, jQuery, AJAX, Autoprefixer, Gulp.js, Compass, Backbone.js, D3.js.

- Great experience with back-end: Node.js, Hapi.js, Express, Ruby on Rails, Golang, Elixir, S3, AWS ECS, AWS DynamoDB, GCP App Engine, GCP Datastore, Postgres, MySQL, GraphQL, Cloudflare, Cloudflare Workers, Cookies, JWTs, CouchDB, MongoDB, Redis, Memcache.

- Great experience with Mac OS X's AppKit & Foundation frameworks, Objective-C, Swift, Xcode, Storyboards, Auto Layout, MVC, Modular and Reusable Object-oriented Classes, GCD Concurrency, API Design.

- Great experience at vector & paper wireframing, user flows, simplifying features, prototyping in Keynote, writing copy for UI and websites.

- Great experience with Git, GitHub, SVN, Yarn & NPM (Node.js), Gems (Ruby), Carthage (Swift & Objective-C), Packagist (PHP).

- Enjoy writing with blog at https://icing.space/

- Keen photographer, enjoy videography, very good drawing skills.

- Keen follower of the latest news and trends in the worlds of technology, design, branding, business, and digital product design.

REFEREES

Available on request.