


Oliver Searle-Barnes

Passionate full stack leader


Founder, CTO, VP Engineering, Architect

14 Years experience

 FnCasts - watch me code on youtube

 opsb - 200+ repos

 opsb - 14 communities

 opsb - top 2%

 ollysb

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INTRODUCTION

Building software that people actually like to use is what gets me going. With 14 years experience I've delivered successful products for the Telecoms, Retail, Publishing, Energy and Charity sectors. I've led teams to build a wide variety of projects including realtime social platforms and project management tools, business Intelligence, custom content management systems, online stores and browser extensions.

From day one I've been an agile practitioner, whether it's Scrum or Kanban, Lean, BDD, outside-in, pair-programming, you name it, I've been doing it for years. I've usually led from the front but I'm comfortable working in many different styles and value project consistency over personal preferences so am equally comfortable working alone or slotting into an existing team.

SKILLS

	years		years
Ruby on Rails	8	Event-sourcing/CQRS	2
Elixir / Phoenix	5	Scrum / Kanban	15
Elm	5	BDD / TDD	15
React/Redux	0.5	Git	12
RxJS	1.5	Realtime systems	5
Ember.js	5	HTML	14
Javascript - ES2017	10	CSS / SASS	14
Java	5	OO	14
SQL	14	Functional	5
Firebase	2	Heroku	8
OLAP / MDX	4	AWS	10

OPEN SOURCE

fncasts / fnchess

Paired with a friend on youtube to build a chess game in Elm backend by Phoenix-Channels for realtime. See <https://fncasts.io> for the episodes.

orbitjs / orbit

A javascript library for orchestrating data synchronization. See <http://orbitjs.com> for more information.

saschatimme / elm-phoenix

Integration between Elm and Phoenix channels

opsb / elm-debouncer-fx

An Elm effect manager for debouncing events

opsb / patchstream

Emits json patches as rails active records are updated

COMMUNITY

I love to meet other developers and hear what they're getting up to. In Barcelona I'm a regular at the Elixir meetup and run the Elm hack night. I'm also regularly in London and Berlin so I make sure to pop into the local Elixir and Elm meetups there.

Online you'll regularly find me in the Elixir and Elm slacks. I've found both communities to be really friendly and helpful.

EDUCATION

Artificial Intelligence

Sussex University

2/1

2001-2004

EXPERIENCE

CompareTheMarket.com

Consultant

Feb-2019-Present
London / Remote

MoneyHub

Having bought Bean.com, a startup that helped people save money on their bills CompareTheMarket wanted to replace the existing platform with a high performance elixir service to integrate the majority of UK high street banks using the Open Banking specification. Devised and built custom algorithms for analysing transaction data and identifying merchants and recurring bills and payments.

Elixir, Elm, Javascript, Ruby

TwentyBN

Consultant

Sep-Nov 2018
Berlin / Remote

Video Annotation Editors

Designed and built two Elm apps for collecting video gesture metadata from Amazon Mechanical Turk workers.

Elm, Javascript, Webpack

Liquid

Consultant

Feb-Aug 2018
Berlin / Remote

Salesforce Integration

Integrated a Ruby on Rails app with Salesforce using an Elixir/RabbitMQ based microservice. Created a mapping system for translating GraphQL payloads to Salesforce operations and an ORM for Salesforce.

Elixir, Ruby on Rails, RabbitMQ, Salesforce, Docker, GraphQL, Scrum, BDD

Zapnito

VP Engineering

2014-2017
London / Remote

Feeds

Led the development of a realtime, embeddable social webapp. The product shipped with several components that communicated with each other via a message bus running on the page.

Phoenix, Phoenix-Channels, Elixir, Elm, Javascript, JWT, Auth0, Postgres, Webpack, Kanban, BDD

Knowledge Networks

Tech lead and architect for an expert focused content management system and online training platform.

Ruby on Rails, ember.js, Javascript, Postgres, Redis, Memcached, Solr, Kanban, BDD

Lytbulb

CTO

2014-2015
London / Remote

lytbulb.com

Led development of a trello-like product aimed at the energy sector, focusing on oil and gas. Built with collaboration of large projects in mind Firebase was used to power the realtime elements of the product.

Ruby on Rails, Ember.js, Firebase, Postgres, Kanban, BDD

Myschooldirect

CTO

2010-2014
London / Remote

Give4Sure

A cross-browser plugin and webapp that helped charities raise money while their supporters shopped online. The browser extension highlighted links on any page to participating retailers in a charity's chosen color.

Browser extensions, Ruby on Rails, Postgres, Ember.js, Kanban, BDD

Marks and Spencer School Uniforms

Led the development of an online store allowing schools to customise standard Marks and Spencer uniforms with their school badges and colours.

Ruby on Rails, Postgres, Kanban, BDD

myschooldirect.com

A Quidco style shopping site where parent's could find deals that would raise money for their children's schools

Ruby on rails, Postgres, Kanban, BDD

Informa

Tech lead/Architect

2005-2010
London

World Cellular Information Service

BI portal for worldwide cellular market data. Having developed the successful architecture for the new WBIS product (see below) I was asked to roll it out for Informa Telecom's flagship product.

Java, Spring, MS Analytics services, Oracle DB, Scrum, TDD

World Broadband Information Service

BI portal for worldwide broadband market data. Developed a BI architecture based on the Mondrian OLAP engine.

Java, Spring, OLAP, Mondrian, Oracle DB, Scrum, TDD

Intelligence Centre 2

Devised a webdav based CMS allowing Journalists to write their articles in MS Word, save and see an instant preview of their article on the website.

Java/Spring, Oracle DB, Scrum, BDD

Nutshell Dev.

Head of dev.

2004-2005
Brighton

Various local business websites

Built custom CMSs for local shops and restaurants. This was when I discovered Extreme Programming and started down the Agile road.

Java, Spring, JPA, JSF, Mysql