

Clayton Ferris

SOFTWARE ENGINEER · WEB AND MOBILE

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Summary

Full stack and mobile application development. Working with JavaScript for over a decade, spanning across React, Angular, Backbone, jQuery and vanilla JS. Built and deployed APIs using REST methodologies and more recently GraphQL in Scala and Node.js. Mobile app development for both iOS and Android using Swift, Objective-C, Java, Xamarin, and React Native.

DevOps experience with SaltStack, Ansible and CloudFormation. Continuous deployment using Jenkins, Gitlab CI, Docker, Marathon and DC/OS. Passionate about lowering developer friction for builds and deployment to enable shipping code early and often.

Interested in finding creative solutions to hard problems, continuing to learn new technologies and building fun and engaging products.

Work Experience

SpinGo

SENIOR SOFTWARE ENGINEER

Remote

Jan. 2012 - PRESENT

- AWS Infrastructure setup and management with SaltStack.
- Transitioned a monolithic PHP application to scalable Scala microservices with AngularJS and React / Redux client side
- Data integration with Salesforce
- Swift-based iOS app development (live in the AppStore)
- ETL Pipeline for data analysis using Vertica and Tableau

Contract / Passion Projects

SOFTWARE ENGINEER

Remote

Aug. 2012 - PRESENT

- Android and iOS app using React Native and Redux (WeVyte)
- Local business website development (Beyond Bread)

Raytheon Missile Systems

DEVELOPER

Tucson, AZ

Dec. 2007 - Aug. 2011

- Front end web development for both raytheon.com and internal intranet
- Implemented JavaScript components and plugins integrated into Oracle CMS
- Led the migration away from Flash to modern and open web technologies
- Built the company's first mobile and responsive microsities

Spin Media Marketing

TECHNICAL DIRECTOR

Provo, UT

Jun. 2006 - Aug. 2011

- Lead developer for many internal and client web applications
- Ruby on Rails, Wordpress and Drupal development

Soularium Studios

AUDIO ENGINEER

Alpine, UT

Dec. 2005 - Dec. 2006

- Audio recording, mixing, and mastering on a high-end Pro Tools DAW
- Troubleshooting and maintenance of studio computers and equipment
- Serving and hosting created audio to clients across the world

BYU Media Arts Lab

ADMINISTRATOR

Provo, UT

Jan. 2004 - Dec. 2005

- Managed audio and video editing workstations
- Deployed a web-based equipment checkout system
- Trained students on industry-standard software
- Set up and maintained an Xgrid/Xserve system for streamlining media workflows

Skills

Languages	JavaScript (Node.js & Browser), Scala, Swift, Objective-C, Ruby, Kotlin, Sass
JS Libraries	React, Redux, React Native, AngularJS, Express, Koa
Scala Libraries	Play, Slick, Akka, Akka-HTTP, Silhouette, Deadbolt2
Services & Protocols	PostgreSQL, Elasticsearch, RabbitMQ, Redis, MongoDB, Pusher, Airbrake, WebSockets, Swagger, GraphQL
Amazon Web Services	EC2, S3, SES, CloudFormation, CloudFront, Kinesis, Redshift, DynamoDB
Infrastructure & Automation	SaltStack, Ansible, DC/OS, Docker, Jenkins, Gitlab CI, Travis CI, SauceLabs

Education

Brigham Young University

B.A. IN MEDIA ARTS STUDIES

Provo, UT

Sep. 2000 - Apr. 2006

Honors & Awards

HACKATHONS

2015 **1st Place**, CactusHack

Tucson, AZ

2013 **1st Place**, Startup Weekend

Salt Lake City, UT

Patents

us 14072538, Expert-System, Event-Database-Builder Apparatus and Method

Nov 5, 2013

us 14072578, Dynamic Calendar Generator Apparatus and Method

Nov 5, 2013

us 14072496, Indirect, Dynamic, Demographic-Data-Prediction Apparatus and Method for Social Media

Nov 5, 2013

us 14072288, Efficient, Combined, Persistent-and-Transitory Database Apparatus and Method

Nov 5, 2013

us 14072458, State-of Mind, Situational Awareness Engine Apparatus and Method

Nov 5, 2013

us 61790113, Situational Awareness Apparatus and Method

May 20, 2013

Recommendations

Tim Harper

SpinGo

CHEIF TECHNOLOGY OFFICER

direct manager

Clay is great to work with! He's a tremendously talented and proactive engineer who cares deeply about his work. One specific "shiny feature" of Clay is his ability to ask the right questions early on in the work-breakdown process, which frequently has directed attention to parts of a spec that may need to go back to the drawing board; this has really contributed to our ability to successfully execute a spec.

Ashton Snelgrove

SpinGo

SOFTWARE ENGINEER

worked in the same group

Clay is a pleasure to work with. He is knowledgeable and hard working. I could always rely on Clay to get the job done and help with any problems I had. His code was consistently well written, and he always drove the business forward towards our goals. He was an excellent communicator, and helped make the team what it was. I'd love to work with him again.

Jordan Davis

SpinGo

CHEIF OPERATING OFFICER

worked in different groups

Clay is the secretest secret weapon in software development. He is incredibly connected to the pulse of new technology, and knows all about the latest devices, platforms, coding languages, and what is possible with the combination of all of them. He also has a great taste for music and entertainment in general, which obviously feeds his polished front-end design skills. I never questioned the integrity of the code Clay built, and any modifications were prompt and thorough (which is tricky to do). I have my fingers crossed that one day I get to work with Clay again.

Interests

In no particular order: functional programming, reading (most recently books by Patrick Rothfuss, Brandon Sanderson and Scott Lynch), music (playing drums & guitar), racquetball, home automation, machine learning, soccer, film, sound recording, 3D printing & prototyping.