

Brian Fudge

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Manager, engineer, mentor, teacher, entrepreneur. Builds products in areas including web, mobile, cloud, desktop, enterprise, embedded, and ASIC. Excels at taking vague ideas and working with others to turn them into reality.

SKILLS

- **Product Areas:** Video Codecs, Consumer Electronics, Home & Commercial Automation, Wireless Communication, Proximity/Location, Financial Services, Travel/Hospitality, Startups, Real Estate
- **Languages:** JavaScript, Objective-C, PHP, C, C#, Java
- **Frameworks:** React, Node, iOS, .NET, Android
- **Cloud:** AWS, Azure, Terraform, Docker, CircleCI, GitHub
- **Processes:** CI/CD, TDD, Observability, Automation, Agile
- **Database:** MongoDB, MySQL, PostgreSQL, Redshift

WORK EXPERIENCE

itrvi **Jan 2019 - Present**
Director Of Engineering **San Diego, CA**

- Created B2B and B2C platform for quoting, booking, marketing, and collecting payments for safari and other eco-tourism travel
- Recruited team and led development from idea to \$120M in booking volume
- Built passenger and transit constraint resolution engines to drive increased booking volume
- Increased user engagement through the development of a dynamic video itinerary marketing tool

UCSD Extension **Jul 2018 - Feb 2019**
Instructor **San Diego, CA**

- Developed course material for software development bootcamp
- Taught 52 students over 8 months in MERN stack (Mongo, Express, React, Node)

Empire Software **Jul 2013 - Jun 2018**
Director Of Engineering **Los Angeles, CA**

- Built financial and estate management application from idea to commercial launch for web and native mobile
- Implemented features for integration with accounting software and financial service providers
- Recruited software development team, managed in-house and off-shore developers

NewAer **May 2013 - Aug 2016**
Technology Lead **Los Angeles, CA**

- Architected cross-platform proximity sensing and communication SDK leveraging WiFi and Bluetooth
- Implemented SDKs and example applications on iOS, Android, Mac, Windows, and Linux
- Acted as SDK evangelist at conferences and hackathons

Gickup **Sep 2010 - Jun 2014**
Cofounder **Los Angeles, CA**

- Built platform for real-time multiplayer casual gaming with video-chat and audience broadcast capabilities
- Developed SDK for outside developers to use platform

DCS eMAP**May 2009 - Aug 2011****CTO****Los Angeles, CA**

- Developed visualization technology for analysis of electronic communication channels, supporting legal discovery and the intelligence community
- Recruited and managed team of software developers

Krunching.com**Feb 2007 - Feb 2009****Founder****San Diego, CA**

- Created investor-focused real estate analysis tool, combining access to MLS and property records data across California
- Exited via technology acquisition

Code Brilliant**Feb 2007 - Present****Founder****San Diego, CA**

- Ran full-service software development agency focused on early-stage startups
- Architected and developed web, mobile, and desktop applications for clients using a wide range of technologies: Javascript, Objective-C, PHP, Java, Node, React, Mongo, MySQL, iOS

DivX**May 2002 - Feb 2007****Engineering Lead****San Diego, CA**

- Architected and built SDKs and certification kits for codecs, media formats, and multimedia streaming technologies
- Products grew the consumer electronics business unit from inception to 70% of company revenue which was essential to company's IPO

Qualcomm**May 1998 - Aug 2001****ASIC Engineer****San Diego, CA**

- Developed video decompression ASIC logic blocks in VHDL
- Created bit accurate decompression simulator to verify logic
- Designed imperceptible fingerprinting system for video

PATENTS

US-10257443-B2: Multimedia distribution system for multimedia files	Apr 2019
US-10210481-B2: Relational presentation of communications for transaction analysis	Feb 2019
US-10032485-B2: Multimedia distribution system	Jul 2018
US-9582551-B2: Method and Apparatus for Display of Disparate Data	Feb 2017
US-9015244-B2: Bulletin board data mapping and presentation	Apr 2015
US-7856149-B2: Digital Image Encoding	Dec 2010
US-7664872-B2: Media transfer protocol	Feb 2010
US-7376243-B2: Apparatus and method for watermarking a digital image	May 2008

EDUCATION**Master of Engineering in Electrical and Computer Engineering**

UCSD

San Diego, CA • Mar 2002

Bachelor Of Science in Engineering

Harvey Mudd College

Claremont, CA • May 1998