



Brandon Brotsky

SR SOFTWARE ENGINEER
DESIGNER, DEVELOPER, &
ENTREPRENEUR



Los Angeles, CA



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/brandonbrotsky

PAST CLIENTS



ABOUT ME

With over 10 years of experience, my strengths shine when coming up with creative marketing and engineering strategies using new technologies. My deep understanding of application and web development comes from years of working with clients from various industries including e-commerce, financial technology, automation, creative agencies, and the start-up world. I am an expert at getting technology driven companies off the ground and coming up with unique solutions to take businesses from the idea stage to profitable organizations.

10+ YEARS
SOFTWARE

12+ YEARS
DESIGN

600+ PROJECTS
DEVELOPED

I have overseen hundreds of projects for companies including American Express, Chase, AT&T, NASA, Verisign, Symantec, SAP, DirecTV, Habitat for Humanity, and many others. I have been a technical and branding consultant for tech start-ups and companies that utilize new technologies. In addition to my work with corporate clients, I founded Elsie Algorithmic Trading, a software company focusing on automating financial transactions using statistical analysis to generate high annual returns for investors, and Payclub, a mobile application focused on end to end financial transparency between clubs or groups of friends.

My experience has a unique combination of design, development, and entrepreneurship that has set me and my businesses apart from the competition. As an agency founder with no startup funding, I was forced to learn every skill myself in order to successfully deliver projects. When I worked with others, I made it a point to become an expert in new skills and/or industries, allowing me to be a better leader to my team and a better contractor to my clients.

I look forward to working with you!

Sincerely,
Brandon Brotsky
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EDUCATION

COMPUTER SCIENCE B.S.
California State University of Northridge
Los Angeles, California

SKILLS

Photoshop	Illustrator	WordPress	
RESTful APIs	MEAN Stack		
LAMP Stack	UI/UX	HTML5	
CSS3	12 Factor Applications		
Scrum	NodeJS	TweenLite/Max	
Agile Workflow	React	git	
React Native	SQL	MySQL	
MongoDB	PostgreSQL	AngularJS	
jQuery	Java	CI/CD	
Shopify	Database Architecture		
SEO	AWS	Socket.io	
Heroku	Linux	XML	JSON
Apache Solr	JavaScript		
Loopback.io	SASS		

EXPERIENCE

CTO / CO-FOUNDER
Payclub | March 2017 - Present



I took Payclub from the idea stage to enterprise level financial institution. I engineered the API, mobile application on both iOS and Android, administrator dashboard, website, and everything the involved automation of business tasks.

- Helped raise startup funding
- Banking APIs - Dwolla's Digital Wallet API and Plaid's Banking Authentication API
- Data - Postgresql, Elasticsearch, Redis
- RESTful API - Loopback.io (NodeJS based framework)
- Frontend Mobile App - React Native for iOS and Android
- Internal Administrator Dashboard - React, Bootstrap, Material Design
- Continuous Integration / Deployment (CI/CD) - Codeship & Heroku's CI
- Version Control - git via GitHub
- Workflow / Project Management - Scrum via Jira
- Marketing Website - WordPress, HTML5, CSS3, JS
- Hosting - AWS EC2, AWS RDS, AWS Aurora, AWS Elasticsearch Service, AWS S3, AWS CloudFront, Heroku, cPanel
- Notifications - SendGrid for transactional emails, MailChimp for marketing campaigns, Twilio for SMS, OneSignal for Push, Socket.io
- Software Mythology - 12 Factor Application standards
- Other 3rd Party Software - Sentry, Papertrail, Avocode, InVision

CTO / FOUNDER
Brotsky, LLC | May 2008 - Present



I founded Brotsky, LLC (formerly Brotsky Designs) in 2008. I have managed over 600 projects with teams from 1 to 20 creatives. I have been a key member for web development, web design, graphic design, SEO, video production, video editing, and various other types of marketing related projects. We worked such clients as American Express, AT&T, Chase, Marriott, Symantec, Verisign, SAP, DirecTV, Habitat for Humanity, 211 Los Angeles, Howie Mandel, Google, NASA and many others.

- WordPress Development - Custom themes and plugins
- E-commerce - Magento, Shopify, BigCommerce, OpenCart, WooCommerce
- Custom Development - LAMP Stack, MEAN Stack
- Hosting - Amazon Web Services, cPanel WHM, WP Engine
- Marketing - SEO, Email Campaigns, HTML5 Banner Ads
- Animation - jQuery, TweenMax, HTML5/CSS3

CEO / FOUNDER
Elsie Algorithmic Trading | May 2016 - Dec 2017



Elsie is algorithmic trading software specifically for LendingClub. It automates trades on the secondary marketplace, buying statistically valuable investments at a discount and attempts to sell them at a profit within a few days. At its peak, on average it would buy and sell notes in 4.9 days for an average return of 8%, in other words, several hundred percent when returns are annualized.

- Built as a solo-developer with outside budget
- APIs - LendingClub's Folio API, AWS EC2 API
- Data - Apache Solr, JSON, CSV, MySQL
- Customized Data Visualization and Data Tables
- Languages - Python, PHP, SQL, JavaScript, CSS, HTML
- Web Scraper - AWS EC2 API, PHP, Python