

**Jacob Greenleaf**  
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**Experience**

**Full Stack Engineer**, Imgur, Inc. 2013 – 2016

- Developed a real-time notifications server with 60,000 concurrent users. Increased mean time between failures from hours to months by fixing deadlocks and crashes. Decreased mean time to repair from hours to seconds by adding software load balancing.
- Created a consumer video conversion tool with over 160,000 monthly active users and 1 million uses, scaling up to over 10,000 concurrent users at launch day.
- Managed software HTTP routing configurations and reverse cache proxy to S3 using Varnish. Onboarded to unit test framework on parsed configurations using varnishtest to ensure sanity. Decreased incident rate of routing changes from multiple per quarter to 0.

**Lead Engineer**, Robot, Robot & Hwang, LLC (Contractor) 2014

- Developed a real-time war game tournament for automated social bots on Twitter. Created a wire-compatible Twitter API and backtesting system for 6 teams of data scientists to run algorithms against. Created a distributed Twitter API scraper system that leveraged celery and celerybeat for distributed, fault-tolerant scraping.

**Payments Engineer**, ConsoliBYTE Solutions, LLC 2012 – 2013

- Integrated payment processing backends for Stripe, Braintree, Paypal, and other processors while maintaining PCI DSS 2.0 and 3.0 compliance.<sup>1</sup>
- Implemented new features like quotes and inventory tracking that extended the data model and tables (PHP / MySQL).

**Skills**

Languages: Go, Python, Erlang, Java, R, JavaScript

Software: Cassandra, PostgreSQL, OTP, Redis, Twemproxy, Varnish, Puppet, Graphite, StatsD

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<sup>1</sup>Note, ChargeOver, for business reasons, stores the PAN — the full credit card number — and expiration and postal code, so it is subject to a higher level of security and auditing.