Malcom Gilbert

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MIT Grad · Software Engineer · Web Developer

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY — Cambridge, MA
B.S. in Electrical Engineering & Computer Science — *September 2009 – June 2014*

ALFRED M. BARBE HIGH SCHOOL — Lake Charles, LA
Unweighted GPA: 4.0 – Weighted GPA: 4.16 — *August 2005 – May 2009*

WORK EXPERIENCE

FREELANCE — Remote
Full Stack Web Developer — *March 2012 – Present*

IDEAFLOW, INC — Remote / Palo Alto, CA
CTO / Full Stack Engineer — *September 2014 – December 2016*
- Created a visual representation of relational data in a flow-chart style web interface
- Solely built initial version of software using Node.js, MongoDB, and Socket.IO
- Raised a $1.8 million dollar seed round from initial application
- Implemented second version of software using React, Redux, Node.js, MySQL, and AWS
- Used Jenkins, Terraform, Ansible, Docker, and Selenium for automated deployment and monitoring
- Created algorithms for predictive analytics and assisted search applications

PINTEREST — San Francisco, CA
Backend Web Engineer — *June 2013 – January 2014*
- Created a service for extracting features from websites using PhantomJS
- Experimented with Variable Order Markov Models for anaylzing user behavior
- Implemented graphical interfaces for statistical analysis of user data using D3.js
- Helped create a realtime rule-based system for detecting and blocking spam and porn
- Used Qubole, Hive, and SQL for big data processing and Kafka for stream processing
- Managed servers with Puppet, AWS, Supervisor, Thrift, and Jenkins

INTEL CORPORATION — Folsom, CA
3D Graphics Driver Team – DevOps — *May 2012 – August 2012*
- Headed a team of 3 to create a desktop dashboard application, web server, and web application
- Architected database structure for MongoDB and implemented a webserver to handle API calls
- Designed look and feel of dashboard application, and iterated based on feedback from users
- Created architecture to allow other teams to easily integrate content via an administrative page

DANCE NETWERK — Boston, MA
CTO / Full Stack Developer — *March 2012 – May 2013*
- Created a full stack web application for dancers using node.js and MongoDB

INTEL CORPORATION — Folsom, CA
3D Graphics Driver Team – DevOps — *May 2011 – January 2012*
- Set up a Jenkins Continuous Integration server for driver testing
- Developed a framework for running driver certification tests robust to machine reboots
- Created a graphical desktop application to help parse driver log files

SKILLS

- *Design Software*: Photoshop, Illustrator, After Effects, Lightroom, Sketch, Gimp, Cinema 4D, Maya
- *Web Programming*: HTML, CSS, JavaScript, SQL, jQuery, Django, Node.js, Ruby on Rails, Express
- *Programming*: Python, PHP, Java, MATLAB, Objective-C, C++, C#, Bash, Ruby, Scheme, Go, Rust
- *Big Data*: Hive, Hadoop, Qubole
- *Dev Ops*: Vagrant, Docker, Chef, Puppet, Jenkins, Ansible
- *Web Architecture*: Nginx, Memcached, Varnish, Thrift, Kafka, Monit, Redis, Amazon Web Services, Elasticsearch, MongoDB, PostgreSQL, MySQL, MariaDB