

# Eugene Chiriliuc

San Jose, CA

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## SUMMARY

Software engineer with experience in design, implementation and support for complex scalable web applications. Motivated developer with extensive experience in building services and backend components using Node.js. Additional experience includes multithreaded desktop applications design and development using C/C++, Qt.

## SKILLS

Languages/technologies: Node.js/JS, SQL/NoSQL, AWS, C/C++, WebSockets, PHP, Docker, Neo4j, Git

Databases: MySQL, MongoDB, ElasticSearch

Web Servers: Nginx, Apache

## EDUCATION

2006 – 2010

B.Sc. Computer Science, CS Department, Technical University of Moldova, Republic of Moldova

## WORK EXPERIENCE

### Senior Software Engineer

October 2015 - Present

Mindflash, Palo Alto, CA

A learning management system. A platform for creating, delivering and tracking training courses.

Accomplishments:

- Reduced the average data loading time from 10+ seconds to under 1 second, by designing and implementing an indexing server with ElasticSearch (real-time sync from MySQL)
- Participated in designing the architecture for backend components
- The stack I work with includes (but not limited to) Node.js/socket.io, MySQL, Elasticsearch, Rabbit, AWS

### Software Engineer (remotely)

October 2014 - July 2015

Trendalytics, New York, NY

A visual analytics platform that marries the art and science of fashion and beauty.

Accomplishments:

- Designed and implemented backend toolkits and applications. Integrated them into the main analytics platform infrastructure
- Created a distributed crawling system (a replacement for existing monolith), which substantially reduced the time spent on every day data fetching from 3rd parties (one of the critical business needs)
- Third-party social API's integration (Facebook, Twitter, Instagram, Pinterest)
- Designed and built a social graph with Neo4j (social relationships, social analysis)
- Used a wide range of technologies, including Node.js, MongoDB, AWS, Neo4j, job queues (SQS, Rabbit)

Reference: Kevin He ([kevin@trendalytics.co](mailto:kevin@trendalytics.co))

**Node.js Engineer (remotely)**

September 2013 - May 2014

Faddle, Pittsburgh, PA

An online question game, with possibility to earn money every day. Ask and answer questions, vote, get a reward.

Accomplishments:

- Full development cycle. Design, implement and support backend application for an online QA game
- Designed and developed a payment gateway using Braintree
- Contributed to improving the overall codebase quality by having a good unit tests coverage (mocha.js)
- Used the following technologies: Node.js, Express, MongoDB, Mongoose, HapiJS, IronMQ, AWS

Reference: Scott Friedman ([scottfriedman@me.com](mailto:scottfriedman@me.com))

**Software Developer (remotely)**

January 2013 - October 2013

Snackle, Auckland, New Zealand

An online NFC marketing tool. Snackle offers a complete suite of NFC marketing tools to manage a smart poster network. It allows users to tag any physical touch-point, get customers feedback, display analytics.

Accomplishments:

- Designed the whole infrastructure for a NFC marketing platform
- Implemented the platform backend, using Node.js, Express, MongoDB (with Mongoose) and Swig
- Developed platform allows creating marketing campaigns for multiple locations, QR-codes for users interaction. Provides geo-location based analytics

Reference: John Mellows ([john.mellows@alphadynamics.co.nz](mailto:john.mellows@alphadynamics.co.nz))

**Full-stack Web Developer (remotely)**

May 2013 - November 2013

Hashtify, Auckland, New Zealand

Entertainment social website, which brings user content from a wide range of social networks, based on their focus of interest, in real-time.

Accomplishments:

- Developed an entertainment social website, which brings users content from a wide range of social networks, based on their focus of interest, in real-time.
- Created a mixed system, which consists of a PHP application and a real-time Node.js application
- Dealt with multiple third-party API's (facebook, twitter, google+, vine)

Reference: John Mellows ([john.mellows@alphadynamics.co.nz](mailto:john.mellows@alphadynamics.co.nz))

**Software Engineer**

February 2011 - May 2013

MaxMoney, Chisinau, Moldova

- Team lead on a shopping gateway website ([cheap.de](http://cheap.de)). Designed the backend infrastructure. Implemented all backend parts using PHP, MySQL, Node.js, Sphynx, Memcache.
- Worked on a Media Player desktop application, with a complex functionality (built-in torrent client, video player). Used C++ with Qt framework, libtorrent, ffmpeg

Reference: Dmitry Zadorozhny ([cyprezz@me.com](mailto:cyprezz@me.com))