

# Or Ricon

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## SUMMARY

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Senior Software Engineer experienced in the design and implementation of complex distributed systems.

Highly knowledgeable and extremely quick to learn new things.

Strong knowledge and interest in algorithms, architecture, optimization techniques and solving real-world problems efficiently.

Derives great joy from collaboration, acting as a mentor and learning from others.

## EXPERIENCE

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### Staff Software Engineer

January 2018 - Present

Walmart Labs | Remote

- Work on Walmart's CDN.
- Re-architect and build Walmart's asset optimization pipeline.
- Research into methods of image quality assessment such as industry-standard SSIM as well as novel ML based methods.
- Design and implement an ESI (Edge Side Includes) engine used to increase cache offload.

### Senior Software Engineer

August 2016 - January 2018

Security Scorecard | New York, NY

- Work on various large scale internet scanning projects using Go.
- Built various proof-of-concepts to collect valuable information on the internet and then productionized them, e.g public datasets, scraping, crawling, torrent tracking, malware sinkholing, vulnerable product usage across the internet, etc.
- Worked on projects to improve the firm's ability to attribute assets on the internet to various companies.
- Built data pipelining systems to feed data to rest of company and products.
- Batch data processing using Scala and Spark.
- Act as team leader on several occasions.
- Drive architectural decisions on how to build systems efficiently and in a maintainable fashion.
- Provide educational materials and instructorship on usage of best-practices in development/architecture.
- Drive company to contribute to and publish useful open-source libraries that are developed in-house.
- Keep informed with latest research in academia in order to provide continuous improvements to various projects as well as implement novel approaches for data acquisition.

### Senior Software Engineer

February 2016 - August 2016

jet.com | Hoboken, NJ

- Maintain in-house deployment system.
- Add features such as active/passive disaster recovery and service discovery using Consul.
- Evaluate and then integrate replacements to in-house system. Solutions considered included Hashicorp's Nomad and Microsoft's Service Fabric.
- Build a Canary-feature testing platform into Nginx using Lua.

### Software Engineer

September 2015 - February 2016

The Hackerati | New York, NY

- Acted as the sole developer in a small team for a TV show website (DarkNet - Jan 2016).
- Project included building a custom CMS backed by MongoDB and a responsive website using Meteor, React and SASS.
- Took charge of DevOps efforts which included an auto-scaling deployment using Docker on AWS.
- A culmination of these efforts was the publishing of several open-source packages to the Meteor community.

## Software & Operations Engineer

February 2014 - August 2015

Augury | Haifa, Israel

- Design and implement a growing, distributed and scalable system.
- Develop complex back-end system based on an inter-communicating micro-services architecture.
- Develop front-end single-page application communicating with back-end API.
- Design and implement the company's automated testing infrastructure allowing for end-to-end testing using behaviour designed tests and integration tests of the back-end.
- System Administrator of development and production cloud servers, utilizing cutting-edge technologies such as Docker and automated configuration management tools.
- Design and implement the company's continuous delivery process and DevOps automation.
- Participate and research information security methodologies to ensure safety of business critical data.

## EDUCATION

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### Graduate courses in Autonomous Systems

2013

Technion | Haifa, Israel

### Bachelor of Science in Electrical Engineering

2007 - 2011

Ort Bruade College | Carmiel, Israel

- Graduated Magna Cum Laude
- *Volunteer*, Math, Physics and Computer Science Tutor

## SKILLS

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Front-End | Backend | Data Analytics | Server/Client Applications | Event-Driven Systems | Microservices

Containerization | CI/CD | Configuration Management | Monitoring and Observability | Testing

## MILITARY SERVICE

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### Engineering Officer in the Medical Corps

2011 - 2013

Israeli Defense Force | Tel Aviv, Israel

- Oversaw and determined technical requirements of medical equipment.
- Coordinated efforts with potential contractors, validating different products.
- Engaged in equipment testing and data collection to provide better health care to IDF personnel.