

Edward Corrigall

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[@ LinkedIn](#), [@ GitHub](#)

Skills

- designing and implementing scalable products and productivity tooling
- deploying, migrating and managing Linux-based infrastructure
- automating using CloudFormation, Docker, Ansible, Python, or shell scripting
- scaling existing applications, performance tuning

	★★★★★ (5/5)	★★★★☆ (4/5)	★★★☆☆ (3/5)
Programming Languages	Python, Java, Bash	JavaScript	
Backend Frameworks	Flask	SQLAlchemy, Alembic, Hibernate, Liquibase	Spring, ExpressJS
Infrastructure	CloudFormation, Kinesis, EC2, ECS, Docker	Redshift, DynamoDB, RDS, ElastiCache	Ansible, Vagrant, Packer
Analytics	Looker	CloudWatch	
Frontend Frameworks	GWT (Google Web Toolkit)	ReactJS	Android SDK, jQuery, UI Kit, Bootstrap

AWS Certifications

AWS Certified Developer — Associate 2018

PSI Services LLC, License Verification #: 9JZ0Y2GCJME4QRW9

Education

September 2008 — April 2014

Honours Bachelor of Computer Science with Co-op
University of Waterloo, Waterloo, Ontario

Professional Experience

8+ years work experience as a software engineer.

Senior Software Engineer

December 2019 — *present* (5 months)

Naborly, Toronto, Ontario

Environment: RDS, Python, NodeJS, ExpressJS, MongoDB, Looker, Heroku, Stitch, Docker, Docker Compose

- led scrum, planning, grooming and retro meetings more effectively
- setup local development for team with docker compose
- setup selenium end-to-end testing for team
- built out new CloudFormation ECS service stack to support Heroku migration
- helped build new api for rent guarantee claims service
- secured AWS account with IAM stack groups and policies
- reduced AWS costs from \$250 to \$40 USD per day
- improved looker no-SQL to SQL integration with stitch by adding MongoDB indices
- took initiative to overhaul Looker analytics

Software Engineer

August 2017 — December 2019 (2 years 5 months)

Acquia, Toronto, Ontario

Environment: Agile, Scrum, Git, Java, Liquibase, Spring, Maven, CloudFormation, EC2, ElastiCache, Redshift, Data Pipelines, RDS, DynamoDB, Looker

- rectified configuration to accomplish zero-downtime deploy of rest api auto-scaling group rolling update
- decoupled monolithic deploy: increase stability and speed for deploy during peak traffic
- resolved database throttling in rest api: identified problem using thread dump, mitigated with short term fix, helped plan and coordinate database migration as long term solution
- led team web frontend refactor to help deliver unified experience across company
- led security initiative to overhaul aws resource access for read-only default, and elevate user access following two-factor authentication
- wrote core product feature: report authoring, to provide customers custom analytics — delivered on time without issue even with set backs
- improved existing geo-location integration for improved accuracy with no service interruption
- built in-house tooling to improve developer and operation experience for team

Platform Engineer

January 2016 — August 2017 (1 year 8 months)

Instacart, Toronto, Ontario

Environment: Python, PyTest, Flask, SQLAlchemy, Alembic, Postgres, Flask, Memcached, Redis, Redis Queue, Supervisor, Ansible, Vagrant, JIRA, SOAP, REST, bash, tmux, vim, git

- implemented rest api ecommerce features
- optimized offers engine and added couponing feature
- on-call technical support for disaster recovery
- providing hot-fix solutions to comply with service-level agreement
- first to assess and troubleshoot issues affecting customer eCommerce experience
- preparation and deployment of new software releases to staging and production environments
- coordinating downtime and hardware upgrades for retailer environments

Data Analyst

February 2015 — December 2015 (1 year)

EyeReturn Marketing, Toronto, Ontario

Environment: Hadoop, Pig Latin, Jython, HIVE, MySQL, MS SQL, JIRA, Confluence, Pentaho, BIRT

- wrote Hadoop Pig Latin processors as part of anti-fraud effort
- took initiative to design and implement more efficient data science mining tools
- managed ad campaigns, increased performance metrics and wrote final reports for clients

Internships

2 years working experience in University of Waterloo co-operative program.

Company	Location	Role	Starting	Timeframe	Performance Evaluation
ON Semiconductors	Waterloo, Ontario	Software Developer	May 2012	8 months	Very Good
Pitney Bowes	Shelton, Connecticut, USA	Embedded Software Engineer	September 2011	4 months	Excellent
Economical Insurance	Waterloo, Ontario	Web Developer	January 2011	4 months	Excellent
Economical Insurance	Waterloo, Ontario	Web Developer	May 2010	4 months	Excellent
TSAVO Media	Guelph, Ontario	Software Developer	September 2009	4 months	Satisfactory