

Edward Corrigall

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

Skills

- designing and implementing scalable products and productivity tooling
- planning long term objectives and working with teams to accomplish goals
- scaling existing products, performance tuning application and infrastructure
- deploying, migrating and managing Linux-based systems
- automating using CloudFormation, Docker, Ansible, Python, or shell scripting

	★★★★★ (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, ElasticSearch	Ansible, Vagrant, Packer
Analytics	Looker	Kinesis, CloudWatch	
Frontend Frameworks	Google Web Toolkit (GWT)	ReactJS	Android SDK, jQuery, UI Kit, VueJS, 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.
- 4+ years experience with cloud services and certified Amazon Web Service professional.

Mark43

July 2020 — *present*

Senior Software Engineer, Full-time remote

Environment: MySQL, Java, Looker, Docker, Docker Compose, AWS, Redis, Kafka, ElasticSearch, ReactJS

- code contributor of record management system team emergency services software
- mitigated ElasticSearch database synchronization used by emergency responders across USA by increasing write-capacity and customer support tooling
- published ElasticSearch request of change (RFC) describing risk, short term and long term objectives, along with strategy to decoupled into regional clusters
- reduced ElasticSearch cluster capacity by roughly 40% (2TB+) without deleting any customer facing data
- improved MySQL average query response time by optimizing internal notification service
- overhauled State to Federal level report exports (NIBRS) to easily maintain code and rapidly on-board new customers

Naborly

December 2019 — July 2020 (8 months)

Senior Software Engineer, 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 migrate cloud providers
- 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 — saving company more than \$75,000 USD per year
- improved looker no-SQL to SQL integration with stitch by adding MongoDB indices
- took initiative to overhaul Looker analytics

Acquia

August 2017 — December 2019 (2 years 5 months)

Software Engineer, Toronto, Ontario

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

- automated zero-downtime deploy of rest api auto-scaling group rolling update
- decoupled monolithic deploy: increase stability and speed for deploy during peak traffic
- resolved outstanding rest api database throttling
- 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 with multi-factor authentication
- on-schedule completion of core product feature: report authoring, providing customers with custom analytics
- improved existing geo-location integration for improved accuracy with no service interruption — saving company \$100,000 USD per year
- built in-house tooling to improve developer and operation experience for team

Instacart

January 2016 — August 2017 (1 year 8 months)

Platform Engineer, 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

EyeReturn Marketing

February 2015 — December 2015 (1 year)

Data Analyst, 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