Edward Corrigall

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

Professional Experience

8+ years work experience as a software engineer.

4+ years experience with cloud services and certified Amazon Web Service professional.

Mark43

Senior Software Engineer, July 2020 — *present*

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

- code contributor of record management system team emergency services software

- authored ElasticSearch request for change, describing: risk, mitigation steps, short and long term goals

- 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 report exports to easily maintain code and rapidly on-board new customers

Naborly

Senior Software Engineer, December 2019 — July 2020

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

Software Engineer, August 2017 — December 2019

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
- designed rolled-out company security policy for read-only and elevate user access
- led team web frontend refactor to help deliver unified experience across company
- replaced existing geo-location integration for improved accuracy and $100,000 USD per year in savings
- on-schedule completion of core product: report authoring, providing customers with custom analytics
- resolved outstanding rest api database throttling
- built in-house tooling to improve developer and operation experience for team

Instacart

Platform Engineer, January 2016 — August 2017

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

Education

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

Certifications

AWS Certified Developer — Associate 2018 PSI Services LLC
License Verification #9JZ0Y2GCJME4QRW9

Programming Mobile Services for Android Handheld Systems — Comunication 2016 Corsera Course Certificates
Credential ID MEAJXDNAXQ

Programming Mobile Services for Android Handheld Systems — Part 2, 2015 Corsera Course Certificates
Credential ID ANB9AQDUBZ

Programming Mobile Services for Android Handheld Systems — Part 1, 2015 Corsera Course Certificates
Credential ID R5JF2BGZTM