Cody **Hiar**

SENIOR SOFTWARE ENGINEER

Leduc, Alberta, Canada

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Summary

I'm a results-driven Senior Software Engineer with 9+ years of experience developing robust web applications in multiple programming languages. I enjoy diving deep into technical challenges to create pragmatic solutions that help save money and allow companies to deliver results to their clients faster and more reliably. I also enjoy constantly learning new methodologies and paradigms to push my understanding of building great software.

Skills

Key	Product Development, Automation, Backend Development, Server Orchestration, System Design, Testing, Debugging
DevOps	Linux, AWS, Digital Ocean, Docker, Kubernetes, Vagrant, Packer, Terraform, Jenkins, CircleCI, GitlabCI
Back-end	Django, Flask, Rest API's, Drupal, Symfony, PostgreSQL, MySQL, Redis, Dramatiq
Programming	Python, Bash, JavaScript, HTML, CSS, PHP

Work Experience

Blendable
Remote

SENIOR BACKEND DEVELOPER — *May 2018 - Current*

- Designed and implemented a financial system in Django to allow the company to take on a multi-million dollar client resulting in tripling the number of users. Built aggregated summary exports for importing data into Xero.
- Imported financial data from Xero using Dramatiq to request new data and build long-running financial reports asynchronously.
- Moved existing infrastructure into docker containers and kubernetes. Migrated from AWS to Digital Ocean with Terraform and Packer to save 40% on monthly costs.
- Created a Gitlab CI that linted code with flake8 and black, ran pytest, and pushed docker image to the registry.
- Automated deploys to production/staging to a single Bash script so that the junior team members could take ownership of deployments and deliver results faster.
- Responsible for migration of complex business-critical Django application, including updating to new data structures, moving from python2 to python3, and allowing no downtime.
- Sourced, interviewed and trained junior developers to become proficient in developing features that I'd already specced. Lead best practices.

Addicting Games
Remote

DevOps CONTRACTOR — *Jun 2019 - Sept 2020*

- Inventoried cloud infrastructure between AWS, GCP, and Vultr to identify redundancies and make cost-saving recommendations that resulted in over 30% reduction in monthly costs.
- Moved existing Drupal, WordPress, Varnish, and Memcache applications into Docker containers to be hosted on Kubernetes. Saved tens of thousands of dollars a month by allowing the client to move to different hosting environments for better prices quickly.
- Responsible for migrating existing infrastructure between cloud vendors such as AWS, GCP, Digital Ocean, and Vultr.
- Wrote Bash scripts to automate manual tasks of deploys, exporting databases, and updating QA environments so that developers could self-service.

Lift Interactive
Edmonton, Alberta

BACKEND WEB DEVELOPER — *Oct 2016 - May 2018*

- Met with clients to gather requirements, evaluate technical decisions, and implement solutions utilizing tools such as Python, Django, Algolia, and Shopify for both new and existing applications.
- Spearheaded the adoption of Docker in local development. Incorporated Docker into Cookiecutter templates for new projects.
- Built containerized Scrapy application to help SEO department quickly find broken links/missing images on marketing sites.
- Wrote python script that allowed billing department to reduce time spent creating monthly reports by 75%.
- Maintained network of over 60 Ubuntu servers on Linode. Responsible for provisioning servers using Ansible/Bash, renewing SSL's, monitoring, and debugging.

Investopedia

Edmonton, Alberta

INTERMEDIATE WEB DEVELOPER

Sept 2015 - Sept 2016

- Assigned to the core team, tasked with pulling existing functionality out of legacy Drupal system and creating microservice-based infrastructure and simplifying current architecture.
- Designed and delivered recommendation engine, written as a Python daemon, with the content science team that generated related content nightly for web pages by pulling API data from Drupal application and then running the algorithm. The engine doubled the click-through rate on recommended content.
- Implemented new features on existing Laravel based service that provided taxonomy to every webpage on the site.
- Collaborated with deployment/infrastructure teams to migrate existing services and set up infrastructure for new projects using Chef, Jenkins, Fabric, Openstack.
- Gave a company-wide presentation on how to effectively use git.

Hybrid Forge

Edmonton, Alberta

SENIOR DEVELOPER / DEVELOPEMENT OPERATIONS MANAGER

Feb 2014 - Aug 2015

- Created custom Drupal modules to integrate with library ILS's to retrieve customer data, search records, and place holds on items.
- Developed Radius server integration to allow wi-fi access through ILS authentication.
- Maintained Linux servers using SaltStack. Provisioned new services as well as migrated existing ones in between servers.
- Responsible for creating development pipeline to allow developers to develop software with fewer hiccups using Vagrant, Git, Jenkins, and Bash
- Architected a custom search engine using Flask, the NLTK library, and Microsoft Azure based on the client requirements.
- Created Symfony2 based website/API services that allowed both web traffic and provided a backend for IOS and Android apps.

Safety Coordination Services

Edmonton, Alberta

SYSTEMS ENGINEER

Apr 2012 - Feb 2014

- Designed PHP CMS-based website with Google Calendar integration to provide a real-time feed of course availability as well as allow staff to update the website content without developer intervention.
- Developed Django service for staff to book course registrations to replace the existing method of using an excel spreadsheet.
- Maintained Windows 2008, which was upgraded to 2012, that provided account and file access for the local network of computers in the office. Also maintained internal Ubuntu server that was used to host intranet as well as git repositories for developers.

Education

University of Albera

Edmonton, Alberta

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Sept 2007 - June 2011

- Learned the fundamentals of Electrical Engineering and Computer Science.

Certifications

2015   **Saltstack Certified Engineer**,   *A5E3F63F*

Side Projects

Arbington

Edmonton

CONTRACT DEVOPS

May 2021

- Delivered automated Docker/Kubernetes infrastructure so that the client could focus on iterating features.

Helm

Edmonton

CONTRACT DEVOPS

April 2020

- Contracted to migrate existing infrastructure from AWS to Digital Ocean. Cut monthly costs by over 50%.