A D A M   H A R T Z

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TECHNICAL SKILLS

- PHP; PHPUnit
- JavaScript; Mocha, Chai
- React.js, AngularJS, jQuery
- Python; nose, unittest, pytest
- Django, REST API framework
- Bash scripting
- MySQL, PostgreSQL, SQLite
- Docker, supervisord, Locust
- HTML5, CSS3, Sass
- Git
- Amazon Lambda functions
- Familiarity with Ruby and Java

RECENT WORK EXPERIENCE

3C Institute   Durham, NC
Web Applications Developer   June 2018–Present
- Tech lead for Quest/DeLP apps; responsible for development, deployment, and maintenance of apps using the 3C platform (25+ personally, 7+ as part of team)
- Core contributor to 3C platform—design and implementation of React front-end and Laravel PHP back-end. Highlights include: generic bulk upload tool; highly configurable, multi-layer Assignment player with integrated message triggers; entirety of Assignment back-end and significant front-end portions of full-featured 8-tab admin area for Assignments, including managing/honoring permissions to gate each tab on per-Project basis; support for sending email and SMS via Amazon
- Deeply dedicated to high quality code with the goals of DRY-ness, clarity, security, consistency, performance
- Serve as clearinghouse and support for dev team as they build apps and features, as one of two seasoned full-stack devs building platform
- Actively review and fix bugs in others' code whenever I have reason to touch it
- Refactor key packages to eliminate dead code, simplify structure, apply rigorous organization, and improve performance
- Write Locust load tests and work with devops co-worker to structure/optimize resourcing using the results

Payoneer   Durham, NC
Software Engineer   March 2016–May 2018
- Full-stack development on REST API–driven web application—designed and implemented new features w/ concomitant tests; fixed bugs; and refactored code for clarity/extensibility/reusability
- Assessed and fixed all ledger bugs, proposed and implemented improvements, and wrote new ledger-related features as back-end ledger expert for this fintech company's (now sunset) escrow product
- Conceived of new fundamental abstraction for orders; core contributor to its architecture and implementation
- Applied standards and best practices throughout codebase, increasing its maintainability and cohesiveness
- Provided thorough code reviews, catching many unforeseen consequences (edge cases, negative interactions with existing code, etc.), omissions, flaws in logic, and bugs
- Initiated clarifying discussions to ensure shared vision during bi-weekly Agile estimation meetings
- Actively engaged with stakeholders to resolve business-rules matters uncovered during implementation
- Wrote/released Python SDK for Payoneer Escrow API (github.com/Payoneer-Escrow/payoneer-escrow-python and pypi.org/project/payoneer-escrow-sdk/)
- Created Django site to receive/display Payoneer Escrow webhooks for testing purposes

SELECTED PROJECTS

The Iron Yard Academy, Final Project (brew-keeper.com)   Durham, NC
Python Developer   June–August 2017
- Followed Angular best practices to completely overhaul front-end team's original implementation of Angular app to be DRY (github.com/ahartz1/brew-keeper-gui)
                                                                                        November 2015
- Invented, pitched, and served as project manager for Brew Keeper, a mobile-first web app for coffee brewers
- Led design of Django back-end and implemented or pair-programmed majority of models, views, serializers
- Deployed Django back-end via Heroku and set up configuration of Travis-CI

EDUCATION

The Iron Yard Academy   Durham, NC
Python Developer   August–November 2015
- 70–80+ hours per week, completed all assignments (with highest completion frequency of "hard mode")
- Gained experience with data science topics, including data cleaning and analysis with pandas; Monte Carlo simulations; and machine learning using linear regressions, Bayesian models, and decision trees
- Built 5 complete Django sites—2 of which were RESTful APIs

University of Michigan   Ann Arbor, MI
Bachelor of Science in Electrical Engineering   December 2001
- GPA: 3.43/4.00