

# Kris Collins

FULL STACK DEVELOPER

US Permanent Resident

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## Skills

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<b>Languages</b>	Python, Javascript (ES5, ES6), PHP, HTML5, CSS3, SASS, LESS, SQL
<b>Frameworks</b>	Django, React, jQuery, Bootstrap, Laravel
<b>Tools and Utilities</b>	Linux, Shell (Bash), Postman, Jenkins, NPM, Jira, Git, Trello, AWS, MySQL, PostgreSQL, Facebook API
<b>Methodologies</b>	OOP, MVC, Agile, SCRUM

## Experience

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### Axflix

Feb 2019 - Present

#### Full Stack Developer

- Back end developer for Techdesk, a tech recruitment website. Built RESTful API using Django REST Framework and utilized Postman for API testing. Automatically generated OpenAPI Specification using Swagger UI, with the visual documentation making it easy for back end implementation and client side consumption on the front end.
- Full stack developer on the DirectEdu school management system modernization team where we're taking an outdated school management system with 1000+ enrolments and converting it into a progressive web app (PWA) using React, Django and PostgreSQL.
- Used the Selenium Webdriver in Django to write integration tests for DirectEdu and reduced the number of user-reported bugs by 8% in 2 months.
- Participated in interviewing junior front end engineers and mentored 2 junior software engineers on JavaScript and Python and trained on the documentation practices used within the organization.
- In this role I also act as a UI/UX designer and developer. Frequently involved in all major design decisions and I regularly meet with business, users and development teams to determine the best design solutions for our applications. As part of our design process I create mock ups and wireframes using Balsamiq and functional prototypes using HTML, SCSS and Bootstrap.
- Represented Axflix at Womanhack KL 2019 to increase female applicants in the interview pipeline.
- Diagnosed and remedied technical debt resolving over 400 linter errors, which helped improve build time and performance. Reducing Python lint by 45% and CSS lint by 33%.
- Analyzed impact and effectiveness of in-app UI changes on customer retention by using google analytics features such as heat map; identified features of customer behavior and recommended additional feature modifications.
- Developed a SaaS SMS marketing application that sends out 1,000 marketing messages per second. Utilized Celery as a task queue and Redis as the database and message broker to execute API calls to send out SMS marketing messages. Monitored and analyzed Redis queue growth patterns to detect performance issues and increase speed of SMS sending by 15% in 3 months.

### Digital Symphony

Aug 2017 - Jan 2019

#### Junior Software Engineer

- Developed microsites with PHP, CSS Grid, Flexbox, mobile-first design and cross browser compatibility as part of Facebook advertising campaigns for 100+ clients in the local Malaysian property industry.
- Built a full-stack web app with Laravel to allow contestants to submit their short film applications for BMW's Annual short film competition, BMWShorties. Ensured one vote for each user for any short film entry by leveraging Facebook login API to retrieve users personal access token as a unique identifier.
- Created the CSS animation portion of the front end of a Wordpress microsite as part of a gamification marketing campaign for Victoria Secret Australia and increased customer engagement with the brand and sales turnover at physical flagship store locations in Australia, Malaysia and Singapore.
- Designed ERD diagrams and Relational Schemas on draw.io during the requirements gathering phase of the SDLC lifecycle for various projects.
- Collaborated with the senior developer to migrate an outdated concert venues site over to a modern WordPress theme. Developed a modern UI using CSS Grid, Flexbox, JavaScript and implemented an EventBrite API feed for ticket sales.
- Collaborated with the UI/UX designer and translated the multi-page UI designs into pixel perfect functional prototypes using HTML, Bootstrap, SASS, JavaScript and jQuery for Henry Butcher Malaysia with Laravel admin panel being used for web content management (CMS).

### Harvest Camasu

July 2016 - Sep 2016

#### Intern

- Created static sites using HTML, Bootstrap, CSS, JavaScript and jQuery as part of an in-house property management project and conducted white-box testing on Laravel API using Postman.

## Education

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### Nottingham Trent University

Nottingham, UK

#### BSc in Software Engineering

Sep 2014 - Aug 2017

- Second Runner Up - AppAsia Mobile App Challenge 2015
- **Courses:** Object Oriented Programming and Design, Systems Analysis and Design, Algorithms and Data Structures, Information and Database Engineering, Systems Software, Mobile Platform Applications