andré jessee
full stack web developer

✉ andre.isaac.jessee@gmail.com 📞 202-459-1071 📍 Washington, DC   /in/andrejessee   ajessee

about me ▸

I am a full stack web developer that has experience in building, testing and deploying web applications to specification under tight deadlines.

education ▸

Dev Bootcamp
Full Stack Web Development Training Program

George Mason University
Bachelor of Arts, International and Comparative Politics

projects ▸

BigDumbWeb.dev
My personal portfolio site where I share projects that I've built, and a blog that I use to document what I've learned in my path towards becoming a web developer. (GitHub repo)

RalphDonaldJessee.com
A web application I built to share stories my grandfather wrote in his later years. (GitHub repo)

NYCycle
NYCycle is a web application that uses geolocation technology to allow you to locate the nearest recycling bin in NYC. (Github repo)

TOEFL Speaking/Essay Grading Feature
A feature I built on top of Kaplan's web application to be able to grade speaking and essay student responses. (GitHub repo)

NYC Reservoir Data
A command line application that I built in Ruby to visualize water levels of New York City's five main water reservoirs. (GitHub repo)

Head Up Inc.
A web application I built for Head Up Inc. consulting company on a freelance contract. (GitHub repo)

awards ▸

2016	Kaplan Test Prep ·	Kaplan Way Leadership Award for Student Success

work ▸

Cambium Assessment · Software Engineer Washington, DC · Dec. 2017 to Current
I work on Cambium's Item Tracking System team, which develops and maintains two web applications - the Item Tracking System (ITS) and Item Authoring Tool (IAT). ITS provides a user interface to a database for items (assessment questions), and IAT provides an interface to allow users to author items. Features and improvements I have worked on include:
- Develop and maintain the new ITSx web application, an upgrade to the ITS system that enables users to work on different elements of an item in parallel.
- Build and maintain IAT's Locking Protocols feature to manage the elements of the UI that a user is allowed to change based on permissions granted by ITS.
- Upgrade and maintain IAT's Paper Generation feature, which enables a user to create and export PDF files for items to allow delivering a test in paper form where required.
- Build and maintain IAT's Standards Alignment feature, to enable a user to align an item with educational content standards.
- Write unit, integration, and regression tests in C# and Javascript to ensure software performs as designed and allow for safer and more efficient refactoring.
- Use ITS suite of DevOps tools to help deploy and test new releases of our web applications.
- Fix bugs, document new features, communicate with and train users.

Kaplan Test Prep · Web Content Engineer / Digital Content Specialist New York, NY · Jan. 2016 to Dec. 2017
As the sole web content engineer / web developer for the Kaplan Test Prep International group, I focused on building out KTPi's product offerings:
- Created a new test prep course for the Undergraduate Medicine and Health Science Admissions Test.
- Built new features and tools for TOEFL including an audio and essay grading feature using HTML5 and javascript to capture audio recordings and written essays from the students.
- Built an API using AWS Gateway and Lamba to validate grading data and write to the web application database for student review.
- Led the migration from our legacy platform to our new ATOM platform for multiple existing products, including the UK Clinical Aptitude Test (UKCAT), and the Test of English as a Foreign Language (TOEFL).

As Kaplan Publishing's Digital Content Specialist, I administered Kaplan's third-party content authoring tool, (Habitat), to create test prep instructional and assessment content for print and digital products.
- Established and maintained content standards in HTML5 and CSS3 in all Kaplan product repositories to ensure the content could be converted to multiple formats. (HTML, XSL, CSV, Word)
- Authored and maintained scripts in Ruby and Google Apps Scripts to ingest digital content in a variety of formats (Word, CSV, PDF) into Habitat.
- Worked with developers of Kaplan's new online platform (ATOM) to help build a pipeline to migrate digital content from Habitat into ATOM.
- Helped design and develop content standards that conform to the IMS Global Learning Consortium's Question and Test Interoperability format.

Development and Training Services · Project Manager Arlington, VA · 2012 to Mar. 2015
- Served as main liaison between dTS and clients, ensuring accurate and timely project financial reporting and invoicing, providing quality assurance, and submitting all project deliverables on time.
- Led the development of program annual work plans, quarterly reports and contributed to project specific writing, editing and reporting, including proofreading and formatting.
- Assisted in preparation of presentations for meetings and technical assistance provided to implementation partners and led recruitment and mobilization of consultants and employees for field assignments.
- Designed and maintained SharePoint sites for project management, online collaboration and communication applications.

technical skills ▸

LANGUAGES	Javascript, Ruby, C#, XML, XSL/XSLT
FRONT END	HTML5, CSS, CSS Grid/Flexbox, jQuery, AJAX, Fetch API, Bootstrap
BACK END	Ruby on Rails, C#/.NET, Node.js, Sinatra, Express
DATABASES	SQL, PostgreSQL, Microsoft SQL Server, Active Record (ORM for Rails), AWS RDS
TESTING	Minitest, Capybara, RSPEC, Selenium, Jasmine, Mocha, XUnit
DEVOPS	Heroku, Amazon Web Services, AWS Elastic Beanstalk, AWS EC2, AWS S3, AWS Lamba, Octopus, TeamCity, Circle CI
VERSION CONTROL	Git, Mercurial, GitHub, BitBucket