Janarthenan Rajakumar (Jana)

2312-83 Borough Drive, Scarborough, M1P 5E4   **+1 647-868-2341**

https://www.jana19.org
jana.stc@gmail.com

HIGHLIGHTS & QUALIFICATIONS

- Hard-working, reliable self starter with solid technical, administrative and customer service experience.
- Able to work as part of a team and also lead a team with high efficiency.
- Flexible and adaptable to meet changing requirements of any position in fast-paced environments.

TECHNICAL SKILLS

- **Languages and Frameworks**: Fluent in modern JavaScript (ES6/7, Babel, JSX), Ruby, Rails, Python, Django, CodeIgniter, Wordpress and most common markup languages and data exchange formats (HTML5, CSS, JavaScript, AJAX, WebSockets, JSON, REST, GraphQL, XML, Oauth, JWT).
- **Frontend UI / UX**: Front end development with most modern, popular JavaScript frameworks and tooling: React, Redux, jQuery, Bootstrap, Material Design, Node.js, Express, Babel, Webpack, SASS, Jest, Mocha, Chai, Enzyme, and many more.
- **Backend / Server**: Node.js, Express, NGINX, Apache, and Restful Web API using Rails, Django and PHP
- **Databases and Storage**: PostgreSQL, MySQL, and NoSQL: MongoDB, CouchDB. ORM using Mongoid, Mongoose and PyMongo. Cloud storage mechanism using Google Cloud Storage, AWS, Heroku and Dropbox
- **Build and SDLC**: Continuous Integration using Jenkins and Chef. Source Code Control using GitHub & GitLab. Cloud deployment to Amazon AWS, Microsoft Azure and Heroku. Best practices using AGILE, Sprint, JIRA, Confluence and Slack.

EMPLOYMENT HISTORY *(more details about each work can be found at: https://www.jana19.org)*

- **Application Programmer Analyst– University of Toronto**   **Nov 2016 – Current**
  Extend infrastructure at the University of Toronto Libraries (UTL) and solidify and promote emerging specifications by refining tools for use in the field of digital manuscript studies. https://digitaltoolsmss.library.utoronto.ca. More details in "PROFESSIONAL PROJECTS" section.

- **Web Developer – Lion King Limo, Markham, ON**   **Sep 2016 – Oct 2016**
  Created a website for a Limo company as a freelancer. The website features responsive content, an online booking form with google forms and a newsletter enrollment service.

- **Founder & Web Developer - ZODUS JOBS, Toronto, ON**   **Jun 2015 – Jun 2016**
  Created a Job Board website for Canada. It features Candidate and Employer Dashboards, Job Posting & Resume Pricing Plans for candidates. The website was created with WordPress.

- **Web Developer & Graphic Designer - The House of Pizzeria, Pickering, ON**   **Mar 2015 - May 2015**
  Created a website for a restaurant as a freelancer. The website featured responsive content, an online ordering system, online table reservations, an interactive food menu and a carousel gallery.

- **Online Sales Technician - HiTech Bay, Scarborough, ON**   **May 2014 - Feb 2015**
  Conducted online sales on e-commerce websites such as Amazon and eBay and handled shipping. Debugged, upgraded and repaired computer systems from desktops to laptops. I introduced a new order management system called Lynn Works that integrated all selling platforms under a single management unit.

PROFESSIONAL PROJECTS *(more details about each project can be found at: https://www.jana19.org)*

- **Fedora Ingester with IIIF – Developer**   **Mar 2018 – Apr 2018**
  A PHP shell script to handle creation of Fedora objects, managing data-streams, updating GSearch & SOLR indexing and generating IIIF compatible metadata to sync with external IIIF server.

- **Drupal Module IIIF Generator – Developer**   **Mar 2018 – Mar 2018**
  A Drupal module on top of Islandora that generates IIIF compatible Collections and Manifests from Fedora objects and ingests as a new datastream.

- **VisColl – Developer**   **Mar 2017 – Mar 2018**
  VisColl is for building models of the physical collation of manuscripts, and then visualizing them in various ways. Powered by an API built with Ruby and Rails on MongoDB and served by a React-Redux progressive web app.

- **IIIF API – Developer**   **Jan 2017 – Mar 2018**
  An API service that implements the IIIF Image API, Presentation API, Search API and Authentication API. Powered by Python-Django framework and MongoDB.

PERSONAL PROJECTS *(more details about each project can be found at: https://www.jana19.org)*

- **NodeJS Express MongoDB – Developer**   **Aug 2017 – Aug 2017**
  A hobby project that features a fully restful API using NodeJS, Express and MongoDB with Token Authentication.

- **PERSONAL PORTFOLIO – Full Stack Web Developer, Graphic Designer**   **Sep 2017 – Sep 2017**
  Created a personal web portfolio to list all my projects and skills. This was created while learning ReactJS and Continuous Integration development (Jenkins)Built using Python and Django framework.

- **PERSONAL BUDGET – Full Stack Web Developer, Graphic Designer**   **May 2016 – Jun 2016**
  Created a Personal Budget web application. Features adding monthly budgets and carry forwarding, adding daily transactions, making transfers, viewing reports in any date range and adding multiple financial accounts.

- **Google Reviews– Developer**   **Nov 2016 – Nov 2016**
  Developed a WordPress plugin that pulls business reviews from Google Places API. It stores reviews in the internal wordpress database and displays them via a custom widget or a shortcode.

- **TSP Artificial Intelligence– Developer**   **Mar 2016 – Apr 2016**
  A project from an Artificial Intelligence course at University based on the Travelling Salesman Problem. We compared the space and time complexity of different heuristics searches.

VOLUNTEER EXPERIENCE

- **Software Developer, North York Senior Centre, North York, ON**   **Sep 2013 - Dec 2013**
  Developed an online registration service for the North York Senior's Centre, with both user and administrative functionalities as a part of a group project during university.

EDUCATION

- **Computer Science - Honors Bachelor of Science, University of Toronto, St George Campus**   **Aug 2016**