**Ramaseshan Parthasarathy**

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**WORK EXPERIENCE**

**Edmunds GovTech April 2021 – Present**

– *Software Concept Developer* Northfield, NJ

* Worked with a Java Spring-Angular full stack environment to modernize software that serves local governments
* Leveraged ability to quickly understand a large codebase, yielding 25% bugs fixed and 15% higher productivity

**Key Projects**

* Introduced Jira ticket creation in the application availing its API to simplify QA and product issue tracking
* Developed a context-aware service that allows users to upload and view process and help documentation

**Stonewain Systems, Inc. September 2018 – April 2021**

– *Software Developer* Berkeley Heights, NJ

* Utilized Spring to develop Java business classes and Camel jobs that generate, send, process, and calculate data
* Improved application performance approximately 20% by refactoring old Oracle queries and stored procedures

**Key Projects**

* Enhanced functionality of reporting engine by implementing custom Excel, CSV, and TXT export options
* Incubated a data-analytics project that utilizes machine learning in Python to predict securities lending rates

**Stonewain Systems, Inc. June 2018 – September 2018**

– *Software Developer Intern* Berkeley Heights, NJ

* Designed, implemented, and tested Jasper reports for financial institutions using Oracle 12c stored procedures
* Reconciled discrepancies in client reports and updated them based on new requirements and system changes

**Archangel Raphael’s Mission October 2017 – April 2018**

– *Volunteer Software Engineer Intern* New Brunswick, NJ

* Developed and maintained the website at armnewbrunswick.org for a local charity with 100% uptime
* Designed the frontend using Python’s Jinja templating engine, Bootstrap, JavaScript, and JQuery
* Created a Flask REST API to serve the templates and integrated Stripe API to accept donations

**SKILLS**

* **Languages** Java, SQL, Python, HTML/CSS, JavaScript, C, LATEX
* **Frameworks** Spring, Hibernate, Angular, Apache Camel, Mockito, Flask, Node.js
* **Libraries** SQLAlchemy, BeautifulSoup, boto3, scikit-learn, NumPy
* **Database** Stored Procedures, Functions, Triggers, Indexes
* **Workflow** Linux, Git, JIRA, Harp.js, Jaspersoft Studio, Heroku

**AWARDS & CERTIFICATIONS**

* Visharad Purna in Tabla, equivalent to B.A. in Music – issued by Madhyam **January 2020**
* 4th Place, HackRU – Rutgers University, New Brunswick **April 2017**

**EDUCATION**

**Rutgers University September 2014 – May 2018**

B.S. in Computer Science and Computer EngineeringNew Brunswick, NJ