**Ramaseshan Parthasarathy**

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**SKILLS**

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

**WORK EXPERIENCE**

**Edmunds GovTech April 2021 – Present**

– *Software Concept Developer* Northfield, NJ

* Working with a Java Spring backend and Angular frontend to modernize software that serves local governments
* Leverage ability to quickly understand large codebase to resolve 25% of bugs leading to 15% higher productivity

**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
* Enhanced functionality of the 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

**PROJECTS**

**Messenger Client** https://github.com/rpartha/simple-messenger

* Developed a robust React-based IM client that communicates with a Node multi-server using Socket.IO
* Utilized mesh topology server architecture to establish and maintain connections between server instances
* Implemented scrollable message history, recipient status notifications, and automatic thread switching

**EDUCATION**

**Rutgers University September 2014 – May 2018**

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

**Awards & Certifications**

* Visharad Purna (Bachelor’s Degree) in Tabla – issued by Madhyam (January 2020)
* 4th Place, HackRU – Rutgers University, New Brunswick (April 2017)