

# Parvathirajan Natarajan

## Contact

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## Tools and Technologies

- ✓ Python, and Core Java
- ✓ SQL – MS SQL Server, Redshift, Oracle
- ✓ AWS – S3, EMR, Lambda, RESTful API etc.
- ✓ Spark
- ✓ Apache Airflow
- ✓ Docker
- ✓ Version Control – GitHub, Bitbucket
- ✓ Power BI, Tableau
- ✓ UNIX, Shell Scripting

## Interests & Hobbies

- ✓ StackOverflow Contributions
- ✓ Web Page Development
- ✓ Open Source Project Development
- ✓ Music, Games & Travel
- ✓ Small Scale Trading

## Languages

- English
- Tamil



## Summary

Parvathirajan is a highly accomplished Software Developer with over 6 years of experience, specializing in Framework development and Cloud technologies. His career has encompassed various phases of the Software Development Life Cycle (SDLC), including Data Analytics, Product Development, and Cloud Migration projects.



## Education

### B.Tech., Information Technology

2013-2017

- Collaborated on a project named "Smart Crawler" focused on SEO optimization using Java within the Eclipse IDE.
- The project's primary objective was to enhance the efficiency of data retrieval from multiple web pages, incorporating key concepts reminiscent of the Beta version of Google Web Crawler, with the aim of minimizing time consumption.



## Experience

### Deloitte Shared Services India LLP.

02/2021 - Present

#### Role: Senior Software Consultant

**Client:** Insurance Companies in US

**Tech Stack:** Python, PySpark, AWS, Rest API, Dynamo DB, Typescript, React

#### Contributions, Roles and Responsibilities:

- Serving as a Senior Software Consultant with a focus on supporting a couple of insurance companies in the United States.
- Responsible for orchestrating the extraction of data (more than 500 GB of data) from the data lake team and processing it for integration into various databases across different teams, leveraging PySpark.
- Spearheaded the development of an innovative data transfer plugin, initially tailored for Gmail, and subsequently adapted for Outlook. This helped and facilitated the seamless migration of data from emails to backend databases and the Enterprise data server. It has achieved widespread adoption, benefiting over 1000 employees worldwide and significantly enhancing data management processes within the organization.
- Collaborating closely with clients to elicit requirements and formulate a comprehensive project plan for streamlined process development.
- Conducting rigorous quality assurance tests to ensure the flawless performance and functionality of the developed product.

## Accomplishments

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- Distinguished as the **Author and Maintainer of "The Mask"** a Python package designed for masking PII data in JSON files. Available at <https://pypi.org/project/the-mask/>.
- Led the development of a robust Data Transfer plugin for Outlook, **serving as a critical tool for the entire organization**. This highly reliable framework facilitates seamless data transfer from email platforms to designated Data Servers, streamlining data management processes.
- Achieved first place in a prestigious Hackathon competition by leading a groundbreaking Python project. The project, slated for open-source release on python-pip/GitHub, serves as a highly adaptable file conversion utility. It excels in simplifying complex nested JSON and XML files, offering a comprehensive selection of over 30 conversion possibilities. This initiative not only showcases technical prowess but also underscores a commitment to contributing valuable resources to the broader software development community.



## Previous Professional Exposure

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Systech Solutions Inc.,

09/2017 – 02/2021

**Role:** Software Engineer

**Client:** Media, Retail and Insurance companies from USA

**Tech Stack:** AWS, Python, PySpark, Databricks, Docker, and Databases (Redshift, SQL Server and Dynamo DB)

### Contributions, Roles and Responsibilities:

- Collaborated extensively with onsite leads and clients to gather project requirements, actively participating in all phases of the development lifecycle.
- Proficiently prepared comprehensive documentation, including Technical Specifications, Designs, and Quality Assurance plans, ensuring clarity and adherence to project objectives.
- Demonstrated effective project management skills, consistently delivering projects on schedule while maintaining high-quality standards.
- Spearheaded the conceptualization and workflow optimization of projects, ensuring seamless execution throughout the development process. Maintained and optimized the CI/CD pipeline for project deployment.
- Introduced automation into the development process by leveraging Python frameworks and establishing process pipelines, resulting in significant time and effort savings.