

SOLOMON EMMANUEL THOMPSON I

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WORK EXPERIENCE

Athenahealth

Chennai, TN, India

Member of Technical Staff (Software Engineer II)

Feb 2025 – Current

- Standardized and maintained reliability across 30+ dedicated and shared staging environments, reducing deployment friction and ensuring seamless testing continuity.
- Partnered with infrastructure teams on data center migration projects, ensuring smooth service continuity.
- Took ownership of environment refresh code and automated its execution by building Jenkins jobs integrated with Cron scheduling, ensuring consistent and timely environment refreshes.
- Drove a 6x reduction in environment refresh time (from 12+ hours to 2 hours) through optimization, directly accelerating testing cycles and achieving a significant boost in developer productivity.

BNP Paribas

Chennai, TN, India

Software Engineer

Aug 2022 – Jan 2025

- Engineered Spring Batch, Java and SQL solutions for resolving complex integration issues within Derivatives Execution and Clearing, resulting in a 25% decrease in trade settlement errors and improving client satisfaction ratings.
- Spearheaded a critical legacy dependency migration, reducing technical debt and maintenance overhead by 44% while hardening system security.
- Remediated high-priority security vulnerabilities using Fortify, reducing codebase risk surface by 40%.

BNP Paribas

Chennai, TN, India

Software Engineer Intern

Jan 2022 – Aug 2022

- Utilized Java and SQL programming languages to enhance data processing capabilities, leading to a 30% increase in data accuracy for derivative trades.
- Leveraged JUnit to implement effective strategies aimed at maximizing code coverage within SonarQube, leading to a notable 73% enhancement in the overall test coverage across each repository.
- Developed and implemented automated testing scripts for release processes, which helped in reducing the occurrence of production issues during monthly release cycles.

EDUCATION

Loyola-ICAM College of Engineering and Technology (LICET)

Chennai, TN, India

Bachelor of Engineering (Computer Science and Engineering)

Jul 2018 – May 2022

- Mini Project: Voice Assistant with Facial Recognition (LUCAS), built using python, ML and third-party APIs.
- Major Project: Student Assessment and Analysis System, that is built for my college to manage student data.
- Relevant Coursework: Software Engineering; Operating Systems; Algorithms; Artificial Intelligence; Cloud Computing

PERSONAL PROJECTS

- **Message Toxicity Classifier** – A project that helps to detect and classify messages as toxic, threat, insult, obscene and racism using deep learning with the help of data obtained through Kaggle. (Python)
- **Social Book** – A Full stack social media clone featuring user profiles, posts, and interactions (Python, Django)
- **Street Fighter AI** – An AI that plays Capcom's "Street Fighter II Special Champion Edition". (Python, Tensorflow)

SKILLS

Backend: Java, Python, Perl, C++, Go

Frontend: JavaScript (React, Node.js)

DevOps/Cloud: Jenkins, Docker, Kubernetes, AWS, GCP, Linux

AI/ML: TensorFlow, PyTorch, Scikit-Learn

Databases: SQL, MongoDB

Other: Git, SonarQube, Fortify

ADDITIONAL

Online Courses: Architecting with Google Compute Engine;

Portfolio: <https://portfolio-website-one-gamma-33.vercel.app/>

Github: <https://github.com/Prototype4988>