

SOLOMON EMMANUEL THOMPSON I

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EMPLOYMENT

Associate Software Engineer <u>UBIX (Derivatives clearing)</u>	BNP Paribas	August 2022-Current
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- Implemented microservices architecture using Spring Boot, and REST API to modernize legacy application.
- Executed a comprehensive upgrade initiative, migrating from obsolete jars to the latest versions contributing to a 44% reduction in maintenance overhead, enhancing overall system efficiency and stability.
- Identified and addressed vulnerability in code repositories using Fortify, mitigating potential risks by 40%, ensuring a more secure and resilient codebase.
- Implemented robust strategies to maximize JUnit code coverage in SonarQube, resulting in an impressive 73% increase in the overall test coverage of each repository.

Software Engineer Intern <u>UBIX (Derivatives clearing)</u>	BNP Paribas	January 2022 – August 2022
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- Demonstrated adaptability and a commitment to learning by gaining hands-on experience with various software development tools and technologies, including JIRA, Git, and Jenkins.
- Streamlined monthly regression testing process by automating and migrating to QA teams. This initiative resulted in a more efficient testing workflow, reducing manual efforts and accelerating the release cycle.
- Assisted in the documentation of system architecture, codebase, and development processes to ensure knowledge transfer and resulting in a 20% reduction in onboarding time for new team members.

Data Automation Intern	National Institute of Wind Energy (NIWE)	March 2021 – August 2021
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- Designed and developed a fully functional web-based application dedicated to simplifying the registration and management processes for currently active wind masts across India.
- Leveraged Mapbox API to enhance data visualization, providing stakeholders with an interactive platform.
- Collaborated with a cross-functional team of researchers and engineers to gather requirements and feedback for the portal, resulting in a successful deployment to the institute's website.

EDUCATION

Chennai, TN, India	Loyola-ICAM College of Engineering and Technology (LICET)	July 2018 – June 2022
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- Bachelor of Engineering, Computer Science and Engineering, June 2022. CGPA: 7.8.
- Mini Project: Voice Assistant named LUCAS with Facial Recognition, built using python and third-party APIs.
- Major Project: Student Assessment and Analysis System, that is built for my college to manage student data.

TECHNICAL EXPERIENCE

Projects

- **Adventures of Jake (An open world 2D game)** – An Open world RPG 2D game as a part of MLH "Hack-cade" Hackathon held on May 28 – 30, 2021. (*Unity, C#*)
- **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*)
- **Doom AI** – An AI that plays DOOM in normal and survival mode. (*Python, Tensorflow*)
- **Street Fighter AI** – An AI that plays Capcom's "Street Fighter II Special Champion Edition". (*Python, Tensorflow*)

AWARDS AND ACHIEVEMENTS

- **Hackathons**: Honorable Mention in MLH "Hack-cade 2021".
- **Online Courses**: Architecting with Google Compute Engine – Coursera; Google IT Support – Coursera.

LANGUAGES AND TECHNOLOGIES

- **Languages**: Python, Java, C++, Go, JavaScript
- **Lib/Frameworks**: Spring, Django, Junit, Numpy, Pandas, Scikit-Learn, TensorFlow, Pytorch, NodeJS
- **Platforms**: AWS, Google Cloud Platform, Linux
- **Tools**: Git, Docker, Unreal Engine, Unity
- **Databases**: SQL, MongoDB

CODING PROFILES

Kaggle: <https://www.kaggle.com/solomonemmanuel1611>

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