Jade Pablo

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Education

York University | Toronto, ON   *September 2021 – Present*
Bachelor of Science, Hons. Computer Science, GPA 7.50/9   Expected Graduation, April 2025

Technical Skills

Languages: Java, Python, C, JavaScript, SQL, Kotlin, html, css
Frameworks & Libraries: Next.js, React, Node.js, Express.js, Jest, Robot, Expo
Tools: Git, Linux, AWS (Lambda), GCP (Authentication, Functions), CI / CD, Postman, Gradle, Maven

Projects

Diaryia: NLP-Enhanced Journal Web-App
- Utilized **Python** with **Google Cloud Functions** and the **tweetnlp** library to perform **NLP analysis** on user entries from a MongoDB database, leveraging **cron scheduling** for periodic analysis.
- Developed a RESTful backend using **Node.js**, **Express**, and **MongoDB** to handle data transactions and **Oauth 2.0 authentication**
- Manually ensured **AES-256-CBC encryption** integrity with **Jest** testing and verified changes before pushing to the main branch for deployment using **Git** and **Render**.

PRTracker: Powerlifting Social Media Website
- Developed a RESTful Api within the **next.js** framework to coordinate **media transactions** between the front-end, **MongoDB** and **Cloudinary**.
- Created an **automatic emailing** system using **nodemailer** to support a **real-time post verification** pipeline.
- Performed **automated Integration & Functional testing** on the Api and **Node.js** modules responsible for video uploads using the **Robot framework**

Six Degrees of Kevin Bacon REST API
- Managed the **Git Workflow** between group members. Created a descriptive Readme to ease the onboarding process and set up access controls for quality assurance.
- Created internal tools using **java** to **reduce code redundancy** in processing http requests and sending responses
- **Reduced response time** of endpoint handlers by **34%** by optimizing queries to a Neo4j database
- **Automated pushes** to main branch using a CI/CD pipeline with **Github Actions and Robot testing**

Personal Tik Tok Data Mining
- Retrieved TikTok web link content using Python's **requests library.**
- Conducted hashtag analysis on liked posts and performed **sentiment analysis** on comments using pre-trained **VADER** and **textblob** models.
- **Processed** and **cleaned data** using **pandas** for effective analysis.
- Visualized usage patterns and insights using **Power BI** dashboards.

Relevant Coursework

Software Design, Introduction to Database Systems , Fundamentals of Data Structures , Advanced Object Oriented Programming , Software Tools , Professional Practice in Computing