Brian Le

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Software Developer

A skilled Software Developer with 2 years of experience in developing and optimizing data-driven solutions utilizing Python and LookML, accompanied with 9 months of academic project-based experience using Java and Spring Boot. Hands-on experience in migrating data systems, automating testing processes, and building data visualizations. Skilled in collaborating with cross-functional teams to design, implement, and deploy efficient and scalable applications. Proven ability to analyze complex data sets and improve system performance. Passionate about leveraging technical expertise to solve real-world problems and drive continuous improvement.

Object Oriented Programming (OOP) • Algorithms & Data Structures • Version Control • Data Analytics
SOLID Principles • Design Pattern • Problem Solving • Performance Optimization • Agile Methodology

Languages: Python, Java, TypeScript, LookML
Web: HTML, CSS, MaterialUI
Web Services: RESTful API, JSON
Frameworks/Libraries: Spring Boot, ReactJS, Pandas, Matplotlib, Seaborn
Databases: Oracle, Google BigQuery
Design Patterns: Strategy, Observer, Decorator, Command, Singleton, Factory Method, Abstract Factory, Adapter, Facade, Iterator, Template
SDLC: Agile / Scrum
Tools: Git, GitHub, Jira, Confluence, VS Code, IntelliJ, Postman, Swagger, Docker, Maven, NPM
Platforms: MacOS, Windows, Google Looker
Application/Software: IBM Cognos

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a* ***Master's Degree in Computer Science*** *(Available for full-time, W-2 employment).*

CyberLogitec, Ho Chi Minh, Vietnam • 10/2022 – 04/2024
Cutting-edge IT solutions for digital transformations of the global logistics industry.

LookML Developer
Designed, developed and optimized reporting solutions, migrated existing data systems to more efficient platforms, and enhanced the quality of business insights for global teams to drive efficiency across BI operations.

- Migrated 13 IBM Cognos packages to Google Looker, reducing maintenance costs by 15% and positively impacting over 300 global users.
- Collaborated with cross-functional teams to integrate geolocation hierarchies into multiple Explores using LookML and SQL, increasing regional data utilization by 12% and improving analysis capabilities for over 200 team members worldwide.
- Worked closely with Data Engineers and the Product Owner using Google BigQuery and SQL to migrate complex aggregation functions, increasing data accuracy by 15%.
- Developed 30+ reports and dashboards using LookML and SQL, enhancing business intelligence insights and improving report generation speed by 18% for over 150 active users.
- Automated testing for LookML models using Python and Looker API, reducing manual validation time by 20%, enabling faster deployment cycles, and improving the code review process for 5 development teams.
- Optimized LookML models and queries with SQL improvements and persistent derived tables, boosting query efficiency by 15% and reducing daily processing time.
- Worked with the Product Owner to create and document usage guidelines for Looker Explores using Camtasia, improving the usability and accessibility of reports for over 200 global end-users and enhancing their understanding of key data insights.

Technologies Used: *Google Looker, Google BigQuery, Oracle, IBM Cognos, LookML, Git, GitHub, Jira, Agile, Scrum.*

INTERNSHIP EXPERIENCE

Intel Products Vietnam Co., Ltd, Ho Chi Minh, Vietnam • 10/2021 – 04/2022
Intel Products Vietnam is the single largest assembly and test plant within Intel Assembly and Test (ATM) network.

Product Development Engineer Intern
This role is responsible for collaborating with cross-functional teams to analyze data using statistical tools and provide actionable insights to enhance product reliability.

- Conducted data analysis using Pandas and Matplotlib, helping to improve yield by 5% and decrease the Retest rate by 7%.
- Built 2 weekly and 1 monthly dashboards using Matplotlib and Seaborn, providing insights that enhanced decision-making for the team and improved monitoring of key product health indicators.

Technologies Used: *Python, SQL, Jupyter Notebook, Visual Studio Code.*

ACADEMIC PROJECTS

Maharishi International University (2024)

- **Library System:** A library system application that allows administrators to manage books and members, while librarians handle book checkouts. I developed core features for member management and book checkouts, contributed to creating class and sequence diagrams for key use cases, and integrated object serialization for data persistence. Additionally, I designed and implemented the user interface using Java Swing. Utilized Java, Swing, Git, GitHub.

- **Daily Diary Application:** A full-stack web application, developed individually, utilizing React for the front-end and Express for the back-end. The application allows users to create, browse, and vote on daily diary posts. Users can navigate between days to view past or future entries, with navigation buttons that disable when viewing the current day. Using React Context API and Hooks like useState and useEffect, ensuring user-friendly interface with custom CSS and React Router for navigation. API endpoints using Express to handle GET and POST requests, utilizing node:fs to store daily posts in separate files. The posts are displayed in descending order based on user votes, and users can up-vote or down-vote entries multiple times. Utilized Java, TypeScript, React, Express, Node.js, Git, GitHub.

- **Car Rental System:** The Car Rental System is a full-stack *(check backend & frontend code)* web application designed to streamline the vehicle rental process for both customers and administrators. I developed key UI components for viewing, adding, and removing cars from the inventory, as well as implementing the corresponding backend APIs. I also handled the reservation functionality, enabling users to make, view, and cancel reservations. Additionally, I integrated Material UI to create a responsive frontend, validated forms and ensured efficient handling of data throughout the system. The application prioritizes scalability, security, and usability, ensuring a user-friendly experience across devices. Utilized Java, TypeScript, React, Material UI, Spring Boot, Docker, AWS, Git, GitHub, GitHub Action, Jira.

- **Framework Development:** This project aimed to design and implement a reusable framework for two main applications: a banking system and a credit card processing system, utilizing nine design patterns: Command, Rule, Singleton, Strategy, Abstract Factory, Template Method, Facade, Observer, and Builder. My responsibilities included applying the Singleton pattern for database initialization and the Strategy pattern for calculating interest across different types of accounts. Additionally, I integrated these functionalities into the Swing UI, ensuring a seamless user experience. Utilized Java, Swing, Design Patterns, Git, GitHub.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Software Engineering, Advanced Software Development, Algorithms

Bachelor of Engineering in Electrical and Electronics Engineering
Ho Chi Minh City University of Technology, Ho Chi Minh, Vietnam (09/2022)