Bryan Ignatius P. Sanchez

Software Engineer

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PROFESSIONAL EXPERIENCE

Software Engineering Intern   06/2024 – 08/2024
Old.St Labs 🔗   London,
                                                                  United Kingdom
- Planned and implemented a microservice for a consolidating proposals using AWS DynamoDB, NestJS, and NX Workspaces.

Software Engineer   02/2024 – 06/2024
Adobo Super Software Inc 🔗   Manila, Philippines
- Developed and implemented an analytics platform for the company website using NextJS, Prisma, and tRPC, resulting in a 40% increase in customer data utilization for informed decision-making.
- Trained machine learning models to forecast product stock quantities with 78% accuracy and developed machine learning pipelines to compute forecasts in 2 seconds.
- Spearheaded the optimization of the machine learning model deployment pipeline, reducing deployment time from 10 minutes to 1 minute.

Software Engineering Intern   05/2023 – 11/2023
Expedock 🔗   Silicon Valley, USA
- Spearheaded the automation of microservice deployments using Python and GitHub Actions, boosting developer productivity by 38%. This included integrating notification workflows to streamline communication and enhance team efficiency.
- Transformed the user experience through a dashboard redesign based on customer feedback. Leveraging React Typescript, GraphQL, and Flask, successfully reduced information search time from 10 minutes to 6 minutes, enhancing user satisfaction and driving product adoption.
- Optimized customer data synchronization between different data stores, reducing runtime from 12 minutes to 2 minutes via strategic SQL query optimization using SQLAlchemy. This significantly improved data pipeline efficiency and facilitated faster, more reliable data access.

Software Engineer   09/2022 – 03/2023
Dashlabs.ai (YC W21) 🔗   Palo Alto, USA
- Led the development and deployment of over 15 features for the e-commerce platform such as discount validation, filtering functionality, and authorization controls, resulting in a 24% increase in user experience (UX), as measured by internal analytics.
- Built a NodeJS, Express, and MongoDB pipeline to automate the generation of shop documents for clients, summarizing their purchase history in a user-friendly PDF format.
- Successfully consolidated existing webhook logic to one new repository while maintaining functionality and security, bringing down infrastructure costs by 17%.

Software Engineering Intern   07/2022 – 09/2022
Dashlabs.ai (YC W21) 🔗   Palo Alto, USA
- Streamlined patient registration process by 43%, reducing wait times and enabling 75% more patients to be served per hour, which involved developing customizable workflows and integrating with existing hospital systems.
- Boosted client productivity by 39% through custom feature implementation, enabling teams to complete 4 additional tasks per week, collaborating closely with clients to understand their needs and design effective solutions.
- Enhanced platform performance by 28% through microservice refactoring, improving user experience and scalability. Utilized modern software development practices to optimize code and resource utilization.
- Uncovered valuable insights from business data with scripts and reports, managing and cleaning hundreds of thousands of records, empowering data-driven decision-making.

EDUCATION

BS Computer Science   01/2022 – present
University of San Carlos   Cebu City, Philippines
- Department of Science and Technology (DOST) Scholar
- PhilNITS Fundamental Information Technology Engineers (FE) Certification Exam
  Passer 🔗

SKILLS

JavaScript
TypeScript, Node, Express, React, Next, Apollo, Redux, Angular, NestJS

Databases
MongoDB, MySQL, PostgreSQL

Python
Pandas, Selenium, Scikit-learn, Pytorch

Cloud Computing
Google Cloud Platform, Firebase, Amazon Web Services, Supabase

Other Technical
GraphQL, REST API's, Git, Figma, Docker, Linux

PROJECTS

Paper Trail 🔗   09/2023 – 12/2023
A Centralized Grievance System for the University of San Carlos
- Developed a web application to streamline the grievance process for students at
  the University of San Carlos. Paper Trail reduced processing time by 25% and
  increased student satisfaction by 15% by replacing a manual paper-based system
  with a digital platform for submitting and tracking grievances and implementing
  role-based access control to ensure secure and efficient communication between
  students, faculty, and administrators.
- **Technologies:** Typescript, React, Express, Sequelize, Umzug, Convex.

Budgeteer 🔗   11/2024 – 12/2024
World-class finance at your fingertips
- Led a team of 3 full-stack engineers in developing an app for management of
  personal finances, including feeatures like transaction recording, financial trend
  analysis, and goal-setting.
- **Technologies:** Typescript, Next, Bun, Hono, Drizzle ORM, Docker.

ORGANIZATIONS

Computer and Information Sciences Council (CISCO) 🔗   07/2024 – present
President
- Organized and facilitated a coding tutorial event in collaboration with DEVCON
  Kids to teach 30 grade school students from the local community about
  programming basics.
- Spearheaded the planning of the campus tour for over 500 freshmen.

Google Developer Student Clubs San Carlos   08/2023 – 05/2024
Chief Technology Officer
- Authored engaging tech articles to spark students' interest in technology and
  software development, contributing to increased website engagement by 15% and
  generating positive feedback from community members.
- Identified knowledge gaps within the student community through surveys and
  developed a series of informative articles addressing key web development
  concepts, fostering a 20% growth in workshop registrations.
- Led the organization of five successful web development study jams for a total of
  125 participants, averaging 25 per session. Managed logistics, coordinated
  speakers, and mentored students while adhering to budget constraints.