

# Bram Musuko Panjaitan

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## WORK EXPERIENCE

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**TikTok**, Oct 2022 – Present

Senior Software Engineer | Singapore

- Maintained and refactored the core In-App Payment service, integrating seamlessly with Apple Pay and Google Pay for coin purchases and subscriptions, handling approximately 100 QPS of successful payments and generating millions in daily revenue.
- Designed and implemented a data reconciliation pipeline with a real-time discrepancy detection model to proactively identify and mitigate fund losses, enabling automated compensation processes.
- Facilitated integration of new business lines and a new mobile app, standardizing the onboarding process to significantly reduce integration time and enhance scalability.
- Created a dynamic pricing feature for TikTok Live, empowering hosts to flexibly adjust subscription prices, enhancing user engagement and revenue optimization.
- Built a resubscription feature for TikTok Live, allowing subscribers to seamlessly renew subscriptions post-cancellation, improving user retention.
- Developed a plan change feature for TikTok Live, enabling subscribers to switch between subscription tiers effortlessly, enhancing user flexibility and satisfaction.
- Developed Risk Knowledge Graph service, enabling the security compliance team to visualize user relationships based on gifting, payments, and interactions, reducing average case review time by leveraging advanced data visualization.
- Mentored two entry-level team members, guiding them in understanding system interactions and mastering internal tools to accelerate their onboarding and productivity.

**JobKred**, May 2021 – Sep 2022, 1 Year 5 Months

Software Engineer | Singapore

- Developed a Web API Skills Analytics Application, incorporating features such as Skill Rating and Course Recommendation.
- Create Internal tools to sync Apache Superset dashboard across all environment.
- Managed and maintained access role permissions including resource permissions and API access permissions.

**Bahasa.ai**, Feb 2021 – Mar 2021, 2 Months

Software Engineer | Jakarta, Indonesia

- Created a POC Google Business Messages chatbot that connects to in-house AI.
- Created internal tools for migrating data from NoSQL to SQL.

**OY!**, Sep 2020 – Dec 2020, 4 Months

Software Engineer Internship | Jakarta, Indonesia

- Created a staging environment for partners to test mock features before using the real product.

**GDP Labs**, Jun 2020 – Aug 2020, 3 Months

Software Development Engineer Intern | Jakarta, Indonesia

- Created a web-based application designed to assist MSMEs in monitoring their cash flow effectively.

**Bank OCBC NISP**, Jul 2019 – Aug 2019, 3 Months

Software Developer Internship | Jakarta, Indonesia

- Created a scholarship crowdfunding web prototype, connecting student and donor, winning internal hackathon competition

## EDUCATION

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**Institut Teknologi Bandung**, 2017 – 2021

Bachelor of Computer Science; GPA 3.82/4.0 | Bandung, Indonesia

- Teaching Assistant for first-year students in basic programming (Python, C++, Excel).

## AWARDS

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**4th winner - Maritime Hackathon, Indonesian Navy (Apr 2021)**

We proposed "e-kan", SMS-based fish e-commerce, enabling fishermen to sell their catch offline.

**2nd winner - BCA YoungHackr, Bank Central Asia (Feb 2020)**

We proposed "mentor-ring", Integrated Mentoring system for BCA HR Division.

## PROJECTS

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**Tokocrypto & Hyperliquid DCA (Dollar Cost Averaging)** | [GitHub](#)

Bot to buy cryptocurrency token regularly from centralized exchange using Binance / Hyperliquid API.

**Integrating Moodle (LMS) with GitLab and Autograders** | [GitHub](#)

Final Year Project: Introducing a GitLab-based workflow for submitting programming tasks, replacing the LMS file uploader.

**Telegram Bot** | [GitHub](#)

Telegram bot with many awesome feature, social media scraping, speech-to-text, message reminder

## SKILLS

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**Programming:** Python, Golang, SQL, NoSQL, Redis

**Tool:** Docker, Git, Linux, Bash

**Languages:** Bahasa Indonesia (Native), English (Professional)

**Interests:** Cryptocurrency (Smart Contract, DeFi), Stock Market, Music, Gym