INTRODUCTION VPBANK TECHNOLOGY HACKATHON 2025

VPBank Hackathon event is a **practical playground** for both **students** and **professionals/developers**. We **offer** a series of **cloud skills workshops** where **future talents** can **learn and process, solve cases in a real technology environment,** which perfectly reflects their skills and **hands on experiences**.

Through this initiative, we can **identify the early career talents** and **offer an internship/permanent opportunity in IT Division.**

Objective: The primary goal of the VPBank Hackathon is to identify and recruit top-tier talent in the fields of Information Technology (IT) and Data Science. This event serves as a strategic platform for VPBank to connect with skilled professionals/young talents who possess expertise in IT infrastructure, development, data, and cybersecurity. The hackathon aims to showcase the dynamic and innovative environment at VPBank, providing participants with an opportunity to demonstrate their technical prowess, problem-solving abilities, and potential contribution to the bank's IT and data-driven initiatives.

Expected Outcomes:
Employer branding: Introduce the image of VPBank's recruitment brand on the media through VPBank's channels and partners' channels. Raise candidate awareness: VPBank is a bank that invests in information technology and is interested in recruitment activities in the IT industry.
Sourcing: Hackathon provides a pool of qualified candidates: exploitable for future recruitment activities

BENEFITS FOR PARTICIPANTS

AWS Skillsets & Learning through workshops and discount vouchers for AWS Industry certification.

Excellence individuals to be recruited to IT and EDA Division career opportunities at VPBank 2025

Certificates & Prizes: All participants will receive a certificate & medal. Winning teams in the final will receive trophy, medal, a cash prize.

OVERVIEW OF VPBANK TECHNOLOGY HACKATHON

Get ready to embark on a journey of innovation and creativity at VPBank Technology Hackathon 2025!

It's your chance to shine and showcase your skills ⭐

Junior category for graduating students and fresh graduates

Professional category for seasoned experts

PHASE 1: ONLINE INTRO SESSION, BRIEFING AND WORKSHOP

WORKSHOP 1: AWS CLOUD FOUNDATIONS

- Format: Offline
- Time: 90mins

Content:
- AWS overview introduction
- AWS account preparation and security practices
- AWS cost management best practices
- Q&A

Quan Phuong
Senior Solution Architect

Thanh Dang
Senior Solution Architect

WORKSHOP 2: ADVANCED WORKSHOP – AI SERVICES ON AWS

- Format: 90 mins/workshop (100% online)
- Time: 10AM – 11:30AM – 19/10/2025

Content:
- Introduce about AWS AI Services
- Practice with AWS AI Sagemaker
- Q&A

Tung Cao
Senior Solution Architect

Participants can skip the workshops if they already have prior experience in tech and cloud.

VPBank aws

VPBANK TECHNOLOGY HACKATHON

PHASE 2: ONLINE PROPOSAL SUBMISSION

STEP 1. TEAM NAMES AND PROFILES

What are your team names?
Which role do member play in the Challenge?
What is your challenge statement of choice?

STEP 2. SOLUTIONS INTRODUCTION

What is your solution and how does it work?
Discuss main features clearly.

STEP 3. DEEP DIVE INTO SOLUTION

Detailed write up of solution, e.g. level 2 data flow diagram. Include any supporting features if necessary.
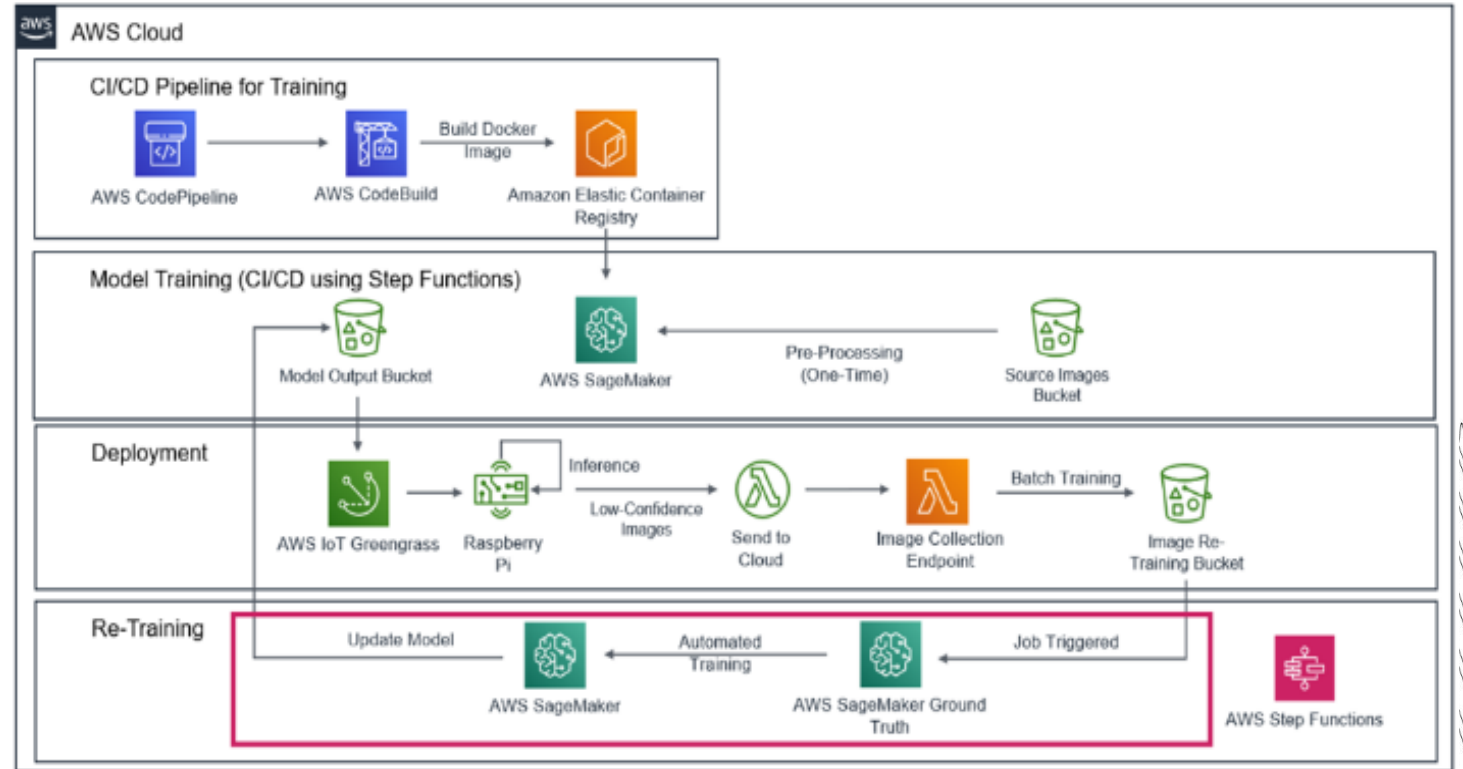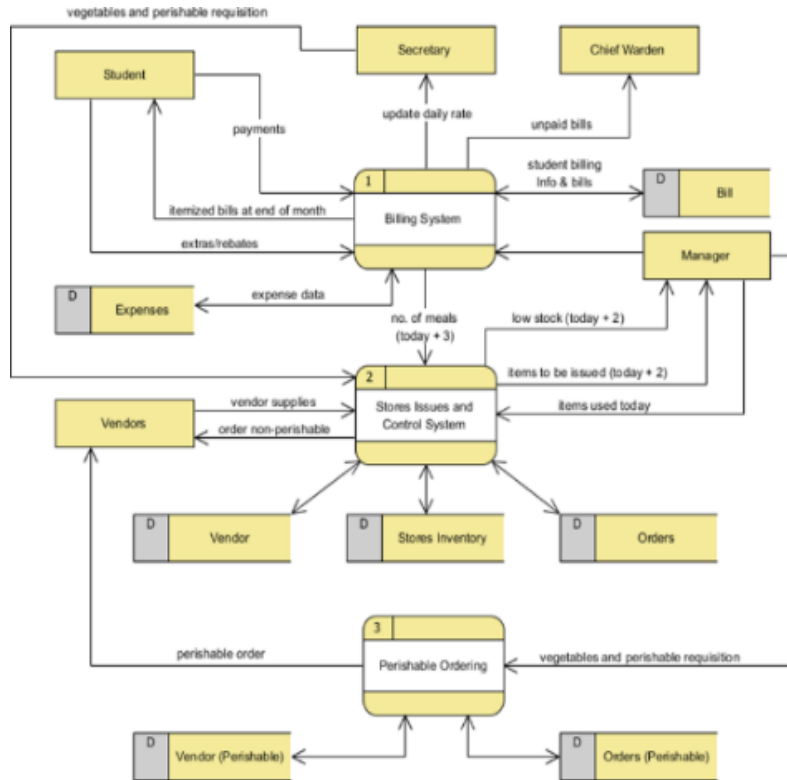
STEP 4. IMPACT OF SOLUTION

How does your solution benefit the society or the target audience? Why is your solution a good solution?
How is it better than existing solutions in the market or competitors? What is your solution's competitive advantage or unique selling point?

STEP 5. ARCHITECTURE OF SOLUTION

How does your solution make use of AWS infrastructure? Do not just give a description of the services you are using, but explain how you are using the services in your solution.
How are you integrating and combining the different AWS services to make your solution seamless? Include architecture diagrams.

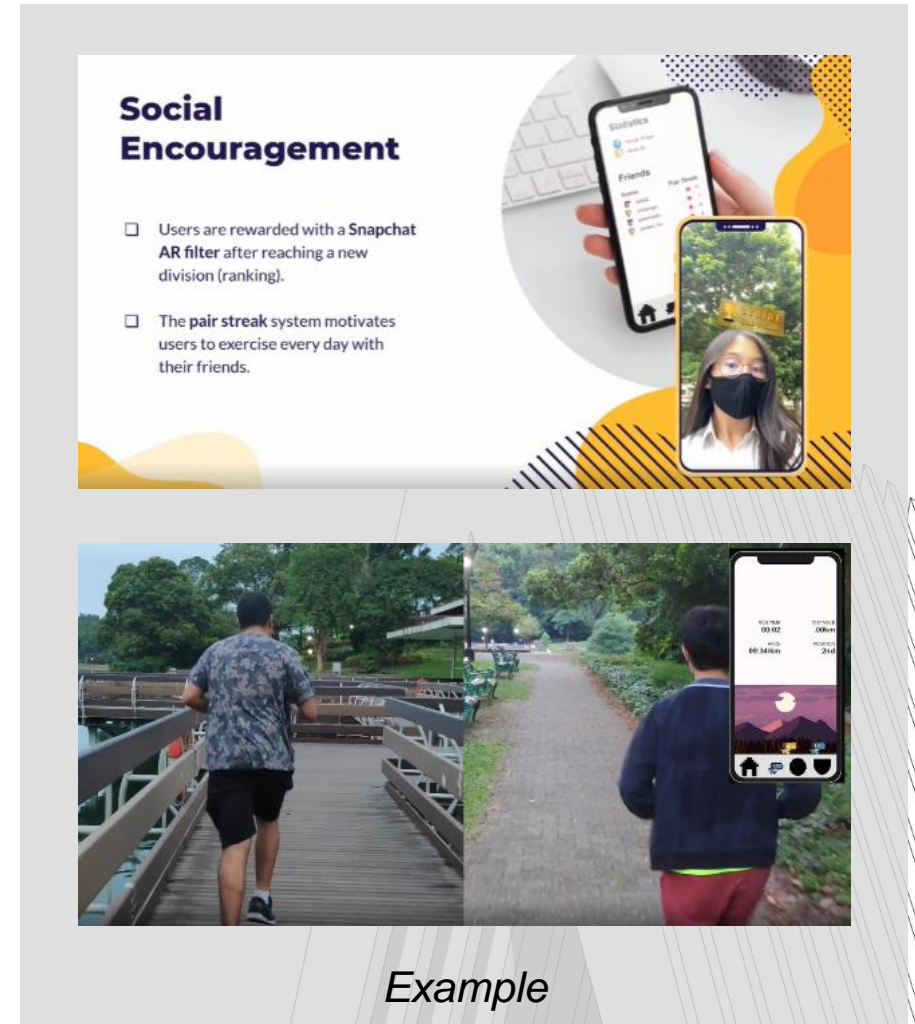# PHASE 2: ONLINE PROPOSAL SUBMISSION

PHASE 3: ONLINE PROTOTYPE DEVELOPMENT

If you are shortlisted for prototype development…

1. You will be given US $200 AWS Credits to build your minimum viable prototype, not just a design wireframe

   Consider 2 perspectives:

   - Front end customer facing → how can customers interact with the product, what features you have?

   - Back end infrastructure → how do you connect the different AWS services together, what services are used for what purposes, how are you using it etc?

2. You will receive mentorship from VPBank and AWS experts

3. Create slides to demonstrate your prototype

Example

PHASE 4: PRESENTATION – OFFLINE – VPBANK OFFICE/TBD

1. Your team will be expected to prepare a slide deck and submit it 1 day in advance

1. Your team will present in front of a panel of judges (experts from VPBank and AWS)

1. Each team has 10 minutes to present and demo*, followed by 10 minutes of Q&A

1. Your team will be expected to demonstrate the prototype (not just a visual representation, but one that involves the backend integrations)

1. Results will be announced after all teams have presented (there will be a 30 minute break for judges to discuss scoring)

*Presentation sequence is determined by the organizer and you will be informed of it beforehand

Example

VPBank TECHNOLOGY HACKATHON
CHINH PHỤC CÔNG NGHỆ, KIẾN TẠO TƯƠNG LAI CÙNG VPBANK
Learn   Ideate   Develop   Compete

Hack2Hire

60,000,000 VNĐ
Total prize value

WINNER

40,000,000 VNĐ
Total prize value

1st RUNNER-UP

20,000,000 VNĐ
Total prize value

2nd RUNNER-UP

Distinguished Awards for Top 5 Outstanding Individual
200$ Amazon gift card/ Individual
2.000.000 point LynkID
ELSA Business 2-month packag

Distinguished Awards for Top 3 Impressive Solutions
300$ Amazon gift card/ team
2.000.000 point LynkID
ELSA Business 2-month package

TIMELINE SENIOR/EXPERT CATEGORY

VPBank Technology Hackathon 2025 Timeline – Senior Category

05/9 – 15/10/2025	Saturday – 18/10/2025	19/10 – 8AM 23/10/2025	01/11 – 8AM 08/11/2025	Saturday – 22/11/2025	Monday – 15/12/2025
Registration	**Learn (Kick-off)**	**Ideation**	**Develop**	**Compete**	**Onboarding**
Format: Online Register for a participation and pick up the Challenge Statements to compete	Format: Offline Participants to join 2 workshops from AWS to understand the environment that they will work on to build their proposal/solution	Format: Online Individual/Teams to start ideating their solution for Challenge statement that they have selected	Format: Online Shortlisted member/teams will be equipped with AWS Credits to develop their prototypes	Format: Offline Top final team will present at the Final round in front of panel of Judges.	Excellent candidates to be recruited by VPBank's IT & EDA Department.

SELECTION & ONBOARDING

EXPLORING OPPORTUNITIES
Exciting career prospects await in VPBank's IT & EDA Division: Direct recruitment for top teams/participants

OVERVIEW OF CHALLENGE STATEMENT 2025

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Challenge Statement
IT & EDA

33 IT

IT Security Department (1)

Technology Platform Department (2)

IT Strategy & Enterprise Architect Department (2)

IT Core Banking Applications Center (4)

Infrastructure Operations Center (5)

IT Digital Factory Center(8)

IT Services for Coporate Banking Center (11)

03 EDA

Data Platform Center (1)

Artificial Intelligence Center (1)

Data Governance Department (1)

CHALLENGE STATEMENT OWNER

No	Division/Center	Challenge	Center head/**Judger**	Challenge Owner	Mentor
1	IT - Security	Detection and Response by automation flow management and AI	Nguyễn Quang Huy	Nguyễn Quang Huy	Mặc Văn Hải Võ Lê Quốc Hưng Lê Quang Anh
2	IT - TechPlatform	Metric Anomaly Detector with Root Cause AI	Trần Tuấn Anh	Trần Ngọc Anh	Trần Ngọc Anh Trần Hải Nam
3	IT - TechPlatform	LLM-based iac drift analyzer	Trần Tuấn Anh	Trần Ngọc Anh	Trần Ngọc Anh Trần Hải Nam
4	IT - EA	AI/MI Enhanced Credit Scoring	Đỗ Trần Quang	Đỗ Trần Quang	Võ Tuấn Khang Nguyễn Minh Đức Hoàng Trọng Phúc Đặng văn Thắng
5	IT - EA	Microservice Application design evaluation	Đỗ Trần Quang	Đỗ Trần Quang	Phan Ngọc Hoàng Đặng Đình Quân
6	IT-Core	The Future of Digital Charity	Đỗ Cẩm Vân	Nguyễn Văn Lương	Lê Thanh Tùng Nguyễn Thùy Giang
7	IT-Core	Modular Payment Service with AI-Powered Insights & Fraud Detection	Đỗ Cẩm Vân	Kiều Trí Mạnh	Lê Công Tú Nguyễn Ngọc Long
8	IT-Core	AI-driven Fraud Prevention & Dispute Automation for Customer-Centric Card Services	Đỗ Cẩm Vân	Trần Thanh Hải Huỳnh Huy Xuân	Trần Thanh Hải Lê Ngọc Huân Phạm Minh Nguyệt
9	IT-Core	Fail & Forward: Embracing Failure with Automated Recovery	Đỗ Cẩm Vân	Đặng Văn Thắng	Hồ Quốc Tuân

CHALLENGE STATEMENT OWNER

No	Division/Center	Challenge	Center head/**Judger**	Challenge Owner	Mentor
10	IT - Infras	System: Centralized DC–DR Synchronization Management Platform	Trần Minh Quốc	Doãn Hữu Hoàng	Doãn Hữu Hoàng
11	IT - Infras	System: Automation and IaC for Scalable and Reliable Virtual Infrastructure	Trần Minh Quốc	Nguyễn Anh Tú	Đỗ Xuân Đại Lê Thọ Tùng
12	IT - Infras	NOC: Intelligent RCA Assistant: Leveraging LLMs and MCP for Noisy Microservices Observability	Trần Minh Quốc	Hoàng Lương Mạnh Cường	Nguyễn Trung Hiếu Hoàng Lương Mạnh Cường
13	IT - Infras	Network: IT Infrastructure Automation for Reducing Human Errors and Standardizing Operations	Trần Minh Quốc	Dương Đức Việt	Bùi Minh Duân Đỗ Mạnh Cường
14	IT - Infras	IT Collaboration: Building a System Portfolio	Trần Minh Quốc	Tô Quốc Điệp	Nguyễn Hồng Sơn Đinh Văn Tiến
15	IT - DF	Business Log Monitoring	Nguyễn Thị Thu Nga	Nguyễn Văn Tuấn	Nguyễn Văn Tuấn
16	IT - DF	AI Agents for the CRM System	Nguyễn Thị Thu Nga	Lê Huy Quang	Lê Huy Quang
17	IT - DF	Modernized Data Platform for Promotion Campaigns	Nguyễn Thị Thu Nga	Đỗ Mạnh Quân	Đỗ Mạnh Quân
18	IT - DF	Quality Under Complexity	Nguyễn Thị Thu Nga	Hà Minh Khoa	Hà Minh Khoa

CHALLENGE STATEMENT OWNER

No	Division/ Center	Challenge	Center head/Judger	Challenge Owner	Mentor
19	IT - DF	Smart Serving	Nguyễn Thị Thu Nga	Đoàn Văn Điệp	Đoàn Văn Điệp
20	IT - DF	Speak To Input	Nguyễn Thị Thu Nga	Nguyễn Đình Bắc	Ngô Duy Hiếu Lê Hữu Diện
21	IT - DF	AI Asset Valuation	Nguyễn Thị Thu Nga	Nguyễn Thị Minh Trang	Nguyễn Thị Minh Trang
22	IT - DF	Fraud Detection For Digital Banking Platform	Nguyễn Thị Thu Nga	Đào Ngọc Long	Đinh Hải Hà
23	IT – Corp	Modular Credit Assessment Architecture for SMEs	Đào Ngọc Long	Lê Thái Sơn	Nguyễn Thanh Hải Nguyễn Xuân Công
24	IT – Corp	Interest Rate Engine for SMEs	Đào Ngọc Long	Lê Thái Sơn	Nguyễn Thị Nhung Nguyễn Xuân Công
25	IT – Corp	AI Powered Synthetic User Research for SME Digital Banking	Đào Ngọc Long	Lê Thái Sơn	Lê Thái Sơn Nguyễn Xuân Công
26	IT – Corp	Flow Analysis & Notifications	Đào Ngọc Long	Nguyễn Văn Tuấn	Nguyễn Văn Tuấn Vũ Mai Uyên
27	IT – Corp	Mini workflow	Đào Ngọc Long	Nguyễn Văn Tuấn	Nguyễn Văn Tuấn Vũ Mai Uyên

CHALLENGE STATEMENT OWNER

No	Division/Center	Challenge	Center head/**Judger**	Challenge Owner	Mentor
28	IT – Corp	AI and Data Mining for Fraud Prevention and Customer-Centric Card Services	Đào Ngọc Long	Huỳnh Huy Xuân	Lê Ngọc Huân
29	IT – Corp	OCR Handwritten documents	Đào Ngọc Long	Đoàn Thị Huyền	Đỗ Anh Tuấn Nguyễn Văn Nhân
30	IT – Corp	User role matrix system	Đào Ngọc Long	Tưởng Hoàng Quyên	Nguyễn Văn Phú
31	IT – Corp	SmartQuery SME	Đào Ngọc Long	Tưởng Hoàng Quyên	Nguyễn Văn Phú
32	IT – Corp	Guarantee Issuance Process on Internet Banking	Đào Ngọc Long	Nguyễn Ngọc Minh	Đỗ Đại Quân
33	IT – Corp	AI Real Estate Collateral Drafting System	Đào Ngọc Long	Nguyễn Thị Mỹ Dung	Nguyễn Thị Mỹ Dung Nguyễn Thị Nhung
34	EDA	Paper to Protocol: RegCheck Agent for Banking Compliance Automation	Đào Hữu Hùng	Phạm Xuân Tình	Phạm Xuân Tình
35	EDA	Graph-based Data Lineage and Data Modeling	Trần Hồng Vinh	Trần Hồng Vinh	Vũ Ngọc Anh Bui Quang Huy
36	EDA	Auto Business Data Dictionary	Nguyễn Thị Ngọc Lý	Nguyễn Thị Ngọc Lý	Đậu Quốc Việt

THANK YOU