Open Tech Track Day 1 - Main Stage

Time	Speaker	Title	Description
9:00	Bella Phan - Community Advocate, FOSSASIA	Welcome to OpenTechSummit	Breakfast Snacks and Registration
9:30	Eden Dang - Lead Organizer, OpenTechSummit Nam Phuong - Community Engagement Officer, Officience	Introduction to FOSSASIA and the impacts of FOSS	The story behind OpenTechSummit. The role of FOSSASIA in fostering Free & Open Source Ecosystem. Impacts of FOSS in various sectors: Business, Education, Innovation and Environment.
10:00	Vu The Binh - CEO, NetNam & Vice President, VFOSSA	Vietnam FOSS Landscape	When Free and Open Source Software movement started in Vietnam and How FOSS has developed in the recent years.
10:30	Short Break		
10:50	Tan Dung Phan - Team Lead - NukeViet	NukeViet Content Management System	Introduction to NukeViet and NukeViet 5.x development orientation
11:20	Vuong Huu Nghia - Open Source Advocate	Open Source Software Development Process: Case Studies	Benefits and Challenges of Open Source Development Process based on various case studies
11:50	Sinh Tran-Nguyen - Engineer Director, Inspectorio	How to become a senior developer faster - Self reflection of a GDE	The mindset, the altitude, the skills, the practices, the environment that can help a software developer to become a senior faster
12:20	Becquart - Web Specialist	Lightning Talk: Create your own community to learn faster a new tech language	The benefits of creating a collaborative community of learners.
12:30	Lunch Break		
13:30	Benoit Tellier - Chairman, Apache James	Apache James, a cloud-ready email server	Create a new generation email server based on conventionnal cloud technologies with Apache James leveraging Apache Cassandra, ElasticSearch, Swift and RabbitMQ. Using the newlystandardized JMAP protocol (RFC-8620) to deliver a high performance mail service. Benoit will outline the challenges and testing strategies at Linagora
14:00	Tuan Le Cong - Fullstack Engineer, Linagora	Modular architectures in software development	Benefits of modular architectures in software development: easy to start, easy to distributed work, fast development etc. Speaker introduces how OpenPaaS team applies modular architectures to build a collaborative platform with many features as OSS platform.
14:30	Short Break		
15:00	Barend Scholtus - System Manager, RMIT University	Workshop 2-hours: Python for Data Analysis (Hands-on session, bring your own laptop)	How to analyze data using Python. From the basics of Python to exploring many different types of data. You will learn how to prepare data for analysis, perform simple statistical analysis, create meaningful data visualizations, predict future trends from data, and more!
19:00	**Social Event: Clean Air - Green Saigon**	**Fun Edutional Activites by Saigon Compass - Measure Air Quality with Pocket Science Lab, open source hardware by FOSSASIA**	

Science and Tech Sessions Day 1 - Breakout Room

Time	Speaker	Title	Description
14:30	Nguyen Tra My - Maker Academy Coordinator, Kidspire Vietnam	Workshop 2-hours: Build your own robots using Hummingbird kit (Hands-on session, bring your own laptop)	Participants (of any ages) learn how to build their own robot from scratch using the Hummingbird kit. This kit is perfect for those who want to program and personalize their own robots. This is not a kit where you follow directions and create a pre-designed robot. Every robot will be unique. The Hummingbird kit has been used and integrated into our STEMs lessons to enable students to learn science more efficiently.
15:00	Nguyen Quoc Bao - Engineer, VNG Corporation	Tutorial 2-hours: Ubuntu Installation Party (bring your own laptop)	Come with your laptop! We will help you to install Ubuntu - one of the most popular open source operating system. You can learn some basic linux commands, try out practical free & open source software. It is possible to have Ubuntu alongside Windows too.

AI, Blockchain, Web & Mobile Technologies Day 2 - Main Stage

Time	Speaker	Title	Description
9:00	Bella Phan - Community Advocate, FOSSASIA	FOSSASIA International Programs for all	How to join FOSSASIA Global Community Introduction to CodeHeat Contest - Write Code, Fly to Singapore - https://codeheat.org Introduction to FOSSASIA Internship Program for coders and non-coders
9:30	Bien Nguyen - Team Lead, Dynimlabs	Full-Stack AI: From Concept to Production	A full view of delivering an end-to-end AI system. Different steps of implementing an AI product from defining your problems, cost estimation, team preparation; collecting, cleaning, labelling your data; framework selection and infrastructure computation; deploying the model and other challenges taken from my experience will be included.
10:00	Mario Behling - CoFounder, FOSSASIA	SUSI.AI - Open Source Smart Assisstant Framework	This talk is about SUSI.AI - an open source conversational framework developed by FOSSASIA developer community. SUSI is capable of chat and voice interaction and by using APIS to perform actions such as music playback, making to-do lists, setting alarms, streaming podcasts, playing audiobooks, and providing weather, traffic, and other real time information.
10:30	Chau Truong Lam - Blockchain Engineer, Incognito	Enable consensus in decentralized systems	Have you ever wondered what blockchain is make of? Why the word "blockchain" always come with "decentralized", "distributed" and "consensus"? What are the differences? What can decentralized consensus allow us to do?
11:00	Short break		
11:20	Benoit Tellier - Backend Developer, Linagora	Extend message queue capabilities with Apache Cassandra	This talk covers Apache James - a cloud mail server, Apache Cassandra specificities and idiomatic designs, Mail queue with helpful features allowing an admin to review mail traffic: list mails, delete some of them, "time series", "randomized synchronisation" & algorithms.
11:50	Nguyen Tan Trieu - Founder, BigData Vietnam	Introduction to ArangoDB: Scalable open source NoSQL database	ArangoDB is a NoSQL database system but AQL is similar in many ways to SQL.This is an introduction to key concepts about multi-model database, ArangoDB's Query Language and Database deployment. Practical case study in Customer Analytics and e-commerce.
12:20	**Group Photo**		
12:30	Lunch Break		
13:30	Tran Diep Bang - Software Engineer, TIKI	Scaling with NodeJS	This talk focuses on scaling a Node based web server and commonissues. This will include different approaches to attacking this problem like horizontal and vertical scaling, the variety of resource bottlenecks like network, memory, disk and cpu. Speaker will touch upon how to find these bottlenecks and what technologies can be used to solve them.
14:00	Truong Sinh Tran Nguyen - Engineer Director, Inspectorio	Flutter - NOT yet another mobile cross-platform framework	Having painful experiences with NativeScript and failed PoC React Native (especially on Android), the development and Executive teams are terrified of any further mention of "cross-platform mobile framework". This is how we presented Flutter, how it is technologically and strategically different from what we have used and tried.
14:30	Tran The Toan - Android Lead, Inspectorio	Kotlin in Testing Android application	A short introduction on how Kotlin can help increase productivity in writing tests for Android application with its clear, concise and beautiful syntax and features. You will also get to know some popular tools for tests that are built for Kotlin's support.
15:00	Short Break		
15:20	Hong Quan Nguyen - CTO, AgriConnect	Application of open tech in an IoT platform for agriculture	How we apply open tech from various levels (operating system, embedded system, database, programming language, web framework) to build up an IoT platform for mushroom farm, which then expand to hydroponics and swiftlet house.
15:50	Tran Thi Hoang Lan - Web Developer, Officience	Transmit tech passion to business reps	Speaker will share experience of Officience on a real case in Artificial Intelligence and explain how their developers transmit tech passion to business reps
16:20	Luu Tran Thien An - Business Analyst, Officience	Lightning talk: Open ERP or Packed Software or Develop it yourself	Discussion around Enterprise Resource Planning, the difficulties and how to choose the best ERP system for current business sizes in Vietnam and Southeast Asia markets.

Science and Tech Sessions Day 2 - Breakout Room

Time	Speaker	Title	Description
11:00	Hong Quan Nguyen and FOSSASIA Team	Workshop 90min: Git & GitHub Pages	Hands-on session, bring your own laptop
12:30	Lunch break		
13:30	Chung Wei Tat - Developer, FOSSASIA	Workshop 90min: Pocket Science Lab - Electronic Testing and Experiment	Open source hardware project by FOSSASIA - bring your Android Phone