

Open Tech Track Day 1 - Main Stage

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| 9:00 | Bella Phan - Community Advocate, FOSSASIA | Welcome to OpenTechSummit | Registration starts at 8:30. Come on time to claim your seat |
| 9:15 | Eden Dang - Lead Organizer, OpenTechSummit Nam Phuong Nguyen Luong - Community Engagement Officer, Officience | OpenTech Around the World | Story of OpenTech and beyond: Connect progressive community in Vietnam with global FOSS initiatives |
| 9:30 | Mario Behling, Co-Founder FOSSASIA | The role of Free and Open Source Software (FOSS) in digital economy | Impacts of FOSS in various sectors: Business, Education, Innovation and Environment and the mission of FOSSASIA in fostering Free & Open Source Ecosystem |
| 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 | Felix 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 | | |
| 14:00 | 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 |
| 14:30 | 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. |
| 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 Edutational Activites by Saigon Compass | |

Science and Tech Sessions Day 1 - Breakout Room

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| 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 - Software Engineer, VNG Cloud | 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

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| 9:00 | Nguyet Anh, Dieu Tien, Dieu Ai - KidSpire Team | How Technology awake dreams of disadvantaged children? | Registration starts at 8:30. Come on time to claim your seat |
| 9:15 | Bella Phan - Community Advocate, FOSSASIA | FOSSASIA International Programs for all | Introduction to FOSSASIA Program for coders and non-coders (CodeHeat.org) |
| 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 and some popular tools for tests that are built for Kotlin's support. |
| 15:00 | Short break | | |
| 15:15 | Nguyen Tra My - Maker Academy Coordinator, Kidspire Vietnam | Lightning talk: Girl can code - Boy can knit | Create an effective learning environment for disadvantage children using STEAM and open education as a platform. |
| 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

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| 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 with Android Phone (bring your phone to try out) |