

Cloud Computing Foundation and AWS for Startups

HK Tech 300

Sze Lok Chan
Sr. Startup Business Development Manager, AWS
Jul 08, 2021

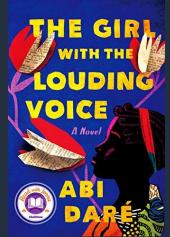


Who am I

- Amazonian
- 10+ years in Business Development
- 4+ years at AWS Startup team
- Enterprise Sales
- Business Owner in Manufacturing
- Certified AWS Solutions Architect
- Amateur Developer



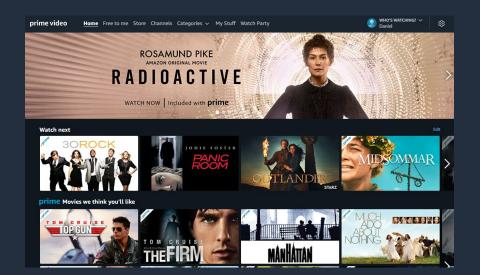




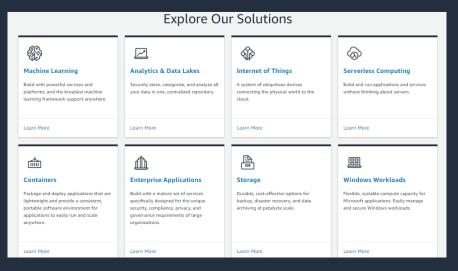




eCommerce



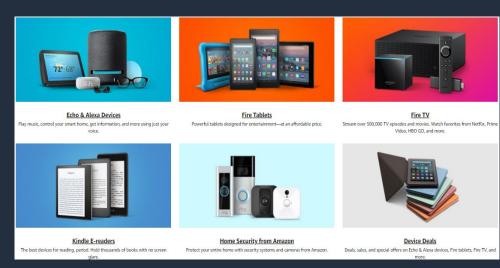
Streaming Content



Cloud Computing



Consumables



Devices



Physical Retail









\$54B

Revenue run rate

ANNUALIZED FROM Q1 2021

32%

Y/Y growth

Q1 2021 vs. Q1 2020









What is this cloud thing?



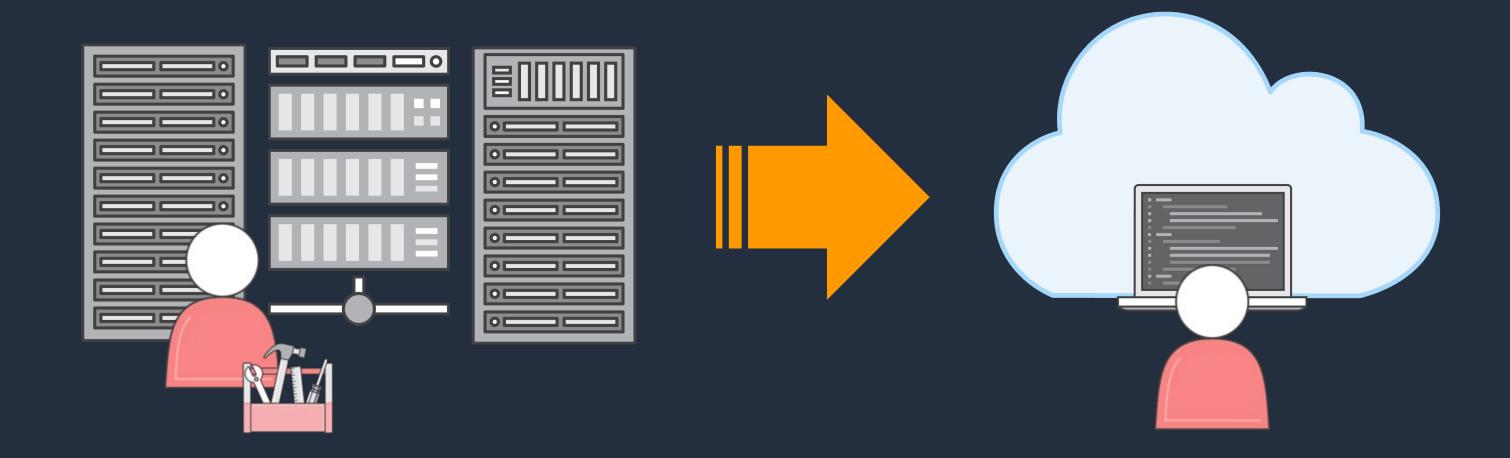
Shared hardware and configurable services – networking, compute, storage, etc.



Higher Utilization Lower Cost Reliable Secure



AWS has enabled on-demand delivery of computing power, database storage and other IT resources via the internet with pay-as-you-go pricing







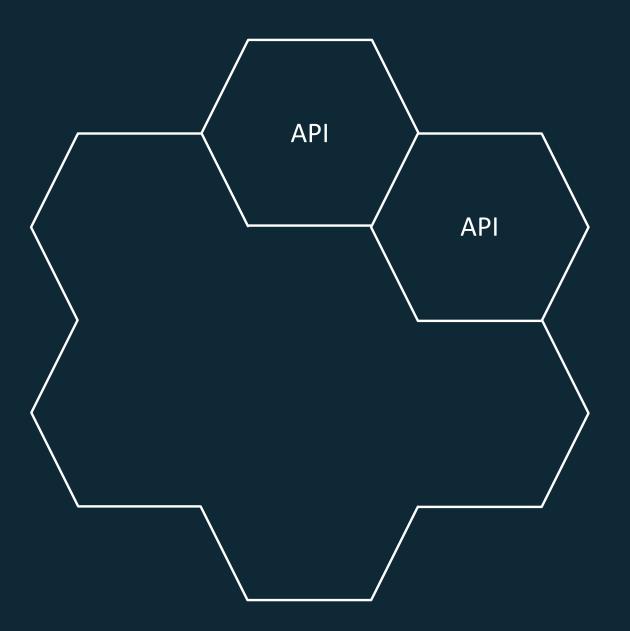
AWS Global Infrastructure

25 geographical regions, 81 availability zones, 230+ POPs





Service design:
Decompose the
monolith

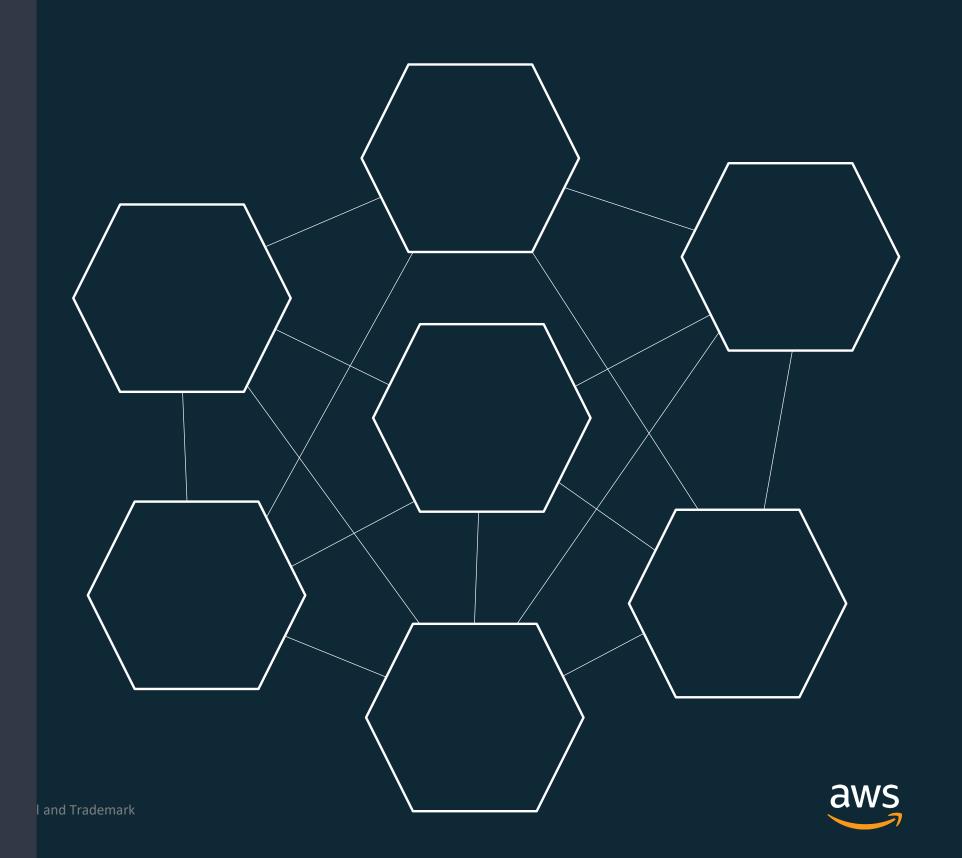




Splitting into Microservices

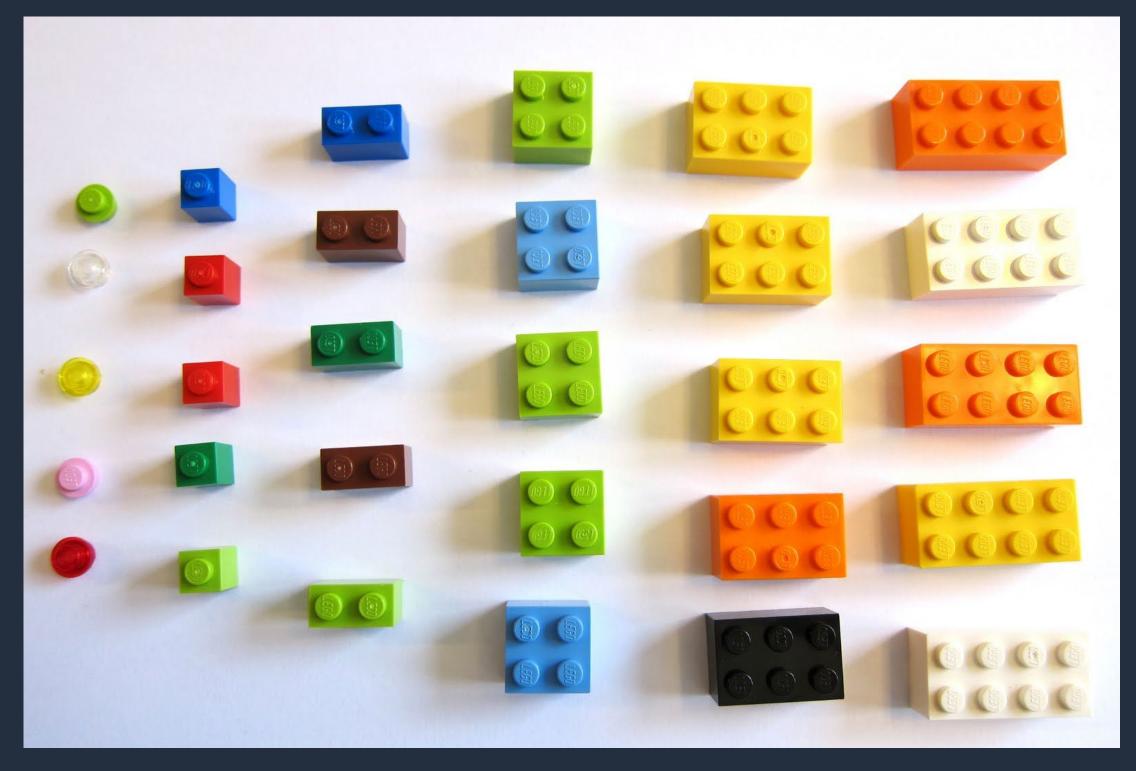


Splitting into Microservices











▼ All services

Compute EC2

Lightsail 🔼

Lambda Batch

Elastic Beanstalk

Serverless Application Repository

AWS Outposts

EC2 Image Builder

AWS App Runner

☆ Containers

Elastic Container Registry **Elastic Container Service**

Elastic Kubernetes Service

Red Hat OpenShift Service on AWS

Storage

S3 **EFS**

FSx

S3 Glacier

Storage Gateway

AWS Backup

□ Database RDS

DynamoDB

ElastiCache

Neptune

Amazon QLDB

Amazon DocumentDB Amazon Keyspaces

M Developer Tools

CodeStar CodeCommit

CodeArtifact

CodeBuild CodeDeploy

CodePipeline

Cloud9

CloudShell X-Ray

AWS FIS

Customer Enablement

AWS IQ 🔼

Support

Managed Services Activate for Startups

Robotics

Blockchain

AWS RoboMaker

Amazon Managed Blockchain

⊘ Satellite Ground Station

Quantum Technologies Amazon Braket

Management & Governance **AWS Organizations** CloudWatch

AWS Auto Scaling

CloudFormation

(4) Machine Learning

Amazon SageMaker Amazon Augmented Al

Amazon CodeGuru

Amazon DevOps Guru Amazon Comprehend

Amazon Forecast

Amazon Fraud Detector

Amazon Kendra

Amazon Lex

Amazon Personalize Amazon Polly

Amazon Rekognition

Amazon Textract

Amazon Transcribe

Amazon Translate

AWS DeepComposer

AWS DeepLens AWS DeepRacer

AWS Panorama

Athena

EMR

Kinesis

Amazon Redshift

Elasticsearch Service

CloudSearch

Amazon Monitron

Amazon HealthLake Amazon Lookout for Vision

Amazon Lookout for Equipment

Amazon Lookout for Metrics

Analytics Amazon Connect

Amazon Chime <a>C

Amazon WorkMail

AWS Cost Management

AWS Cost Explorer AWS Budgets

AWS Marketplace Subscriptions AWS Application Cost Profiler

Front-end Web & Mobile

AWS Amplify Mobile Hub

AWS AppSync

Device Farm Amazon Location Service

dTrail

Norks

ice Catalog

ems Manager

AppConfig

ted Advisor

rol Tower

Chatbot

ıch Wizard

zon Grafana

ent Manager

ia Services

iaConnect

iaConvert

MediaLive

MediaStore

MediaTailor

Elastic Transcoder Nimble Studio

MediaPackage

sis Video Streams

Elemental Appliances & Software

Amazon Interactive Video Service

Proton

zon Prometheus

License Manager

Well-Architected Tool

Compute Optimizer

urce Groups & Tag Editor

onal Health Dashboard 7

AR & VR

Amazon Sumerian

Application Integration Step Functions

Amazon AppFlow

Amazon EventBridge

Simple Queue Service

Amazon MQ Simple Notification Service

SWF

Managed Apache Airflow

Business Applications

Amazon Pinpoint

Amazon Honeycode

Amazon Simple Email Service

Amazon WorkDocs

QuickSight <a>C Data Pipeline

AWS Data Exchange

AWS Glue **AWS Lake Formation**

MSK

AWS Glue DataBrew Amazon FinSpace

① Security, Identity, & Compliance

Resource Access Manager

Cognito

Secrets Manager GuardDuty

Inspector Amazon Macie

> AWS Single Sign-On Certificate Manager

Key Management Service CloudHSM

Directory Service WAF & Shield

AWS Firewall Manager

Artifact Security Hub Detective

> AWS Audit Manager **AWS Signer**

AWS Network Firewall

Alexa for Business

End User Computing WorkSpaces

> AppStream 2.0 WorkLink

1 Internet of Things

IoT Core FreeRTOS

> IoT 1-Click IoT Analytics IoT Device Defender

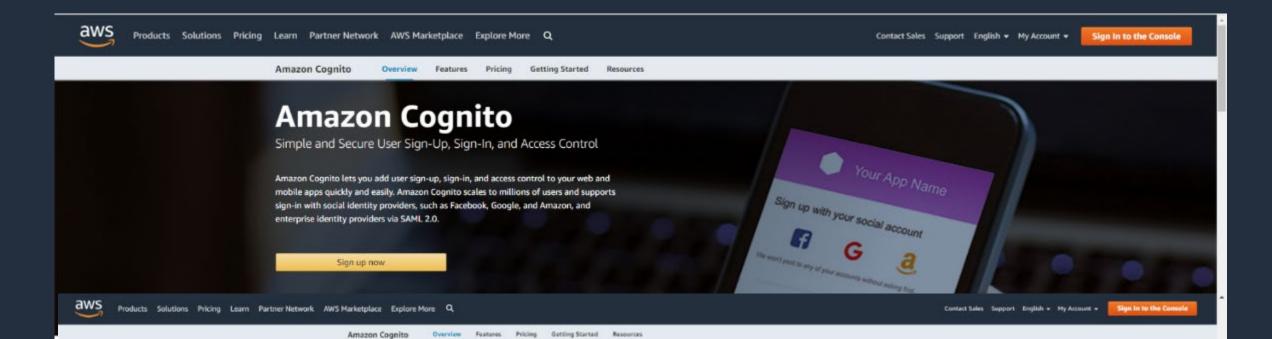
IoT Device Management

IoT Greengrass IoT SiteWise

IoT Things Graph

IoT Events

Came Development Amazon GameLift





IN <data android:host="your_REGIRECT_URI_AUTHORITY"android:scheme="your_RE</pre>

13 // 2) - Set up url redirect in your app manifest --

18 // 3) -- Get tokens for your user --





14 <intent-filter>

16 </intent-filter>

19 auth.getSession();

Amazon Rekognition

Deep learning-based visual analysis service Search, verify, and organize millions of images and videos

Try Demo

Download SDKs



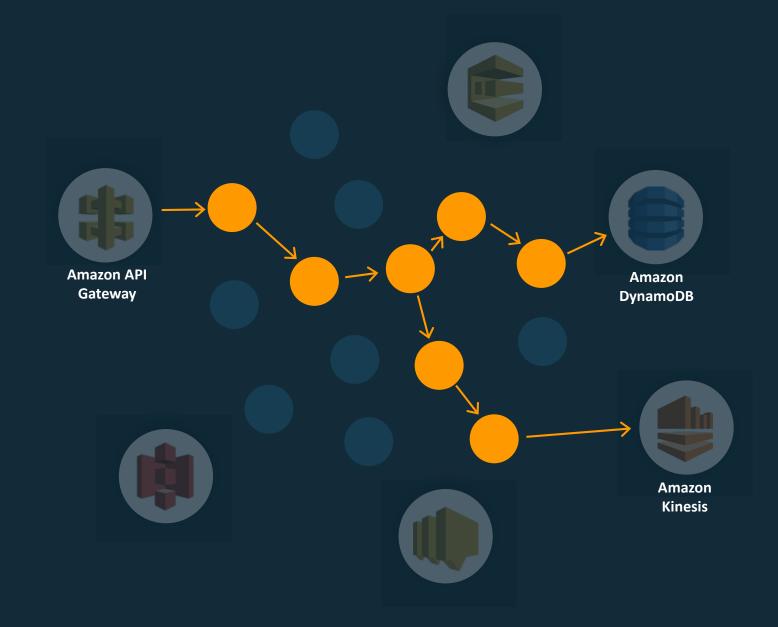






GovCloud **Amazon Cognito** Import/Export AWS Storage Gateway AWS OpsWorks Snowball odeDeploy Amazon Config Amazon CloudTrail Amazon CodeCommit EC2 ElastiCache Amazon SES AWS Elastic Beanstalk Container Service Amazon Kinesis Elasticsearch Service CloudHSM Elastic Transcoder **EC2** Container Amazon WorkMail Registry **AWS Certificate Manager** AWS CodePipeline **Amazon EFS** Amazon Route 53 Redshift Lambda Identity & Access Management AWS CloudFormation Amazon **AppStream AWS Device Farm** Dynamo DB Directory **Amazon RDS** QuickSight **AWS Data** Service for Aurora **Pipeline AWS WAF AWS Mobile Hub RDS for MariaDB Amazon SWF Amazon API Amazon SNS AWS KMS** Gateway WorkSpaces CloudWatch Logs Mobile CloudSearch WorkDocs **AWS IoT** Analytics **Amazon Machine AWS Direct** Glacier **AWS Service** Learning Connect **Amazon Inspector** Catalog

Microservices to Ephemeral Functions



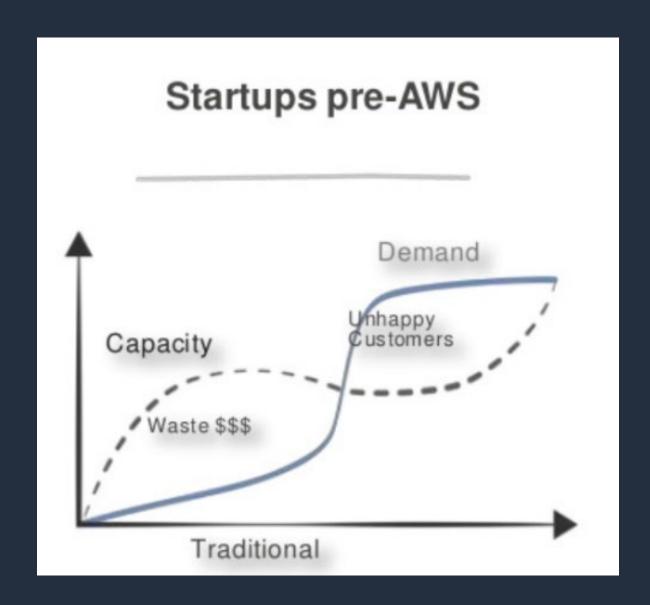


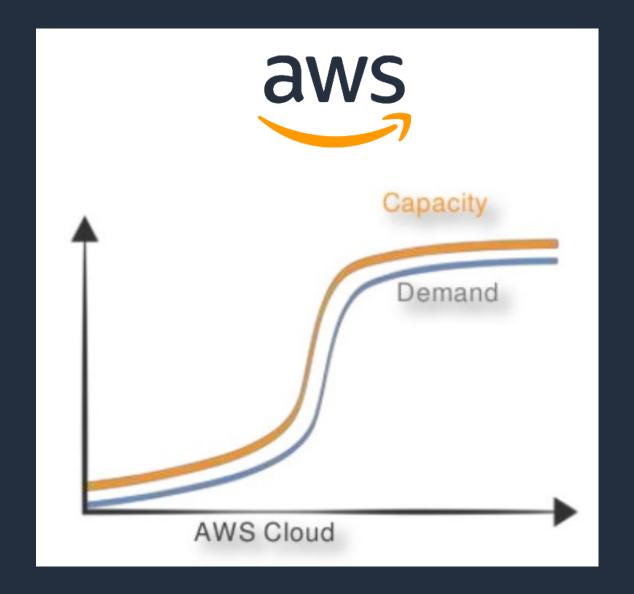
Microservices to Ephemeral Functions

When the system is idle, it shuts down and costs nothing to run











Why customers choose AWS

Most experience

15

years helping millions of customers

Customer obsession & innovation

165+

service offerings

Global reach & high availability

83

availability zones spanning 25 geographic regions

Capable of delivering up to

80,000

IOPS/

with consistency

Security & compliance

203+

security features

Improve TCO

77

price reductions since 2006

Machine learning

81%

of all deep learning is running on AWS¹

Ecosystem

4,500

software listings from 1,400 ISVs



Because you can test your idea, very quickly, for little money. Then, if you are on to something, you can scale, rapidly.



Startups are building on AWS



































































Beyond technology



Global Startup Business Development team

At AWS, we have a team of exited founders, former investors and startup mentors aligned to every VC and accelerator of note



We focus on helping our startup customers grow

by wiring them into people, resources, opportunities across Amazon

Technical

- Architecture design/optimization reviews
- Best practices
- Subject matter experts
- Betas/previews
- Security/compliance

Go-to-market

- Co-marketing
- PoC funding
- Sales referrals
- Distribution
- Capital intros



aws Uactivate



Benefits

- Up to USD 1,000 AWS promotional credits in 12 months
- Up to USD 350 Developer Support credits for 12 months
- Possibility to get extra US\$ 4,000 credits after the 1st year

Eligibility

Startups undergoing HK Tech 300 Program

More information

hkt-activate@amazon.com



One more thing...

aws educate



For Students:

- 11 free Cloud Career Pathways (30+ hours of content per path)
- Up to \$30 US dollars in credits to use on AWS services (renews annually)
- Free access to AWS Technical Essentials Learning Course (a \$600 US dollar value)
- Access to AWS Educate Job Board

Register: https://aws.amazon.com/education/awseducate/





Thank You

CHAN, Sze Lok (陳思樂) Senior Startup Business Development Manager Amazon Web Services

chansze@amazon.com,

