

Head First Android Development 2e

Hugo Barra

roles at Google, including vice president and product spokesperson of its Android division. From 2013 to 2017, he worked at Xiaomi as vice president of global

Hugo Barra (born 28 October 1976) is a Brazilian computer scientist, technology executive and entrepreneur. From 2008 to 2013, he worked in a number of product management roles at Google, including vice president and product spokesperson of its Android division. From 2013 to 2017, he worked at Xiaomi as vice president of global operations. From 2017 to 2021, he worked as vice president of Virtual Reality and head of the Oculus division at Meta Platforms (formerly Facebook). In May 2021, he left Meta to join health technology startup Detect as CEO.

== Early life and education ==

Barra attended primary and secondary schools at local Colégio Pitágoras in Belo Horizonte, Brazil, and in 1995 enrolled at the Federal University of Minas Gerais, majoring in Electrical Engineering.

In 1996, Barra transferred to the Massachusetts Institute of Technology (MIT), graduating with bachelor's degrees in electrical engineering & computer science (EECS), and management science, as well as a master's degree in electrical engineering & computer science. He was class president of the Class of 2000 and student keynote speaker at MIT Commencement 2000.

Redmi 7

The Redmi 7 is an Android-based smartphone as part of the Redmi series, a sub-brand of Xiaomi Inc. It was announced on March 18, 2019 and it was released

The Redmi 7 is an Android-based smartphone as part of the Redmi series, a sub-brand of Xiaomi Inc. It was announced on March 18, 2019 and it was released on March 20, 2019.

== Design ==

The screen is made of Corning Gorilla Glass 5, while the frame and back are made of plastic.

The design of the Redmi 7 and Redmi Y3 is similar to the Redmi Note 7.

At the bottom are the microUSB connector, a speaker and a microphone stylized as a speaker. On top are 3.5 mm audio jack, a second microphone and IR port. On the left side of the smartphone there is a slot for 2 SIM cards, or 1 SIM card and a microSD format memory card up to 512 GB. On the right side are the volume buttons and the smartphone lock button.

The Redmi 7 was sold in 3 colors: Black eclipse, Blue comet and Red echo.

The Redmi Y3 was sold in 3 colors: Prime Black, Elegant Blue and Bold Red.

Xiaomi HyperOS

being an "Android shell" upon its unveiling. Addressing this controversy, Jin Fan, Vice President of Xiaomi Group's Mobile Department and head of the System

Xiaomi HyperOS (Chinese: 澎湃OS; pinyin: Xiǎomǐ Péngpài OS), sometimes shortened to HyperOS (Chinese: 超OS; pinyin: Péngpài OS; lit. 'Surge OS'), is an operating system developed by Xiaomi. It is based on Android and unifies MIUI, Vela OS, Mina OS and operating system software architectures including IoT devices and automobiles. It was announced on 17 October 2023, and debuted alongside Xiaomi 14 Series on 26 October 2023. It succeeded MIUI as Xiaomi's mobile operating system.

Different versions of HyperOS are developed for different regions: China, EEA (Europe), India, and a Global version. For each region, Xiaomi devices have different HyperOS implementations. The EEA version differs from the Global version in meeting specific EEA regulations for mobile phones regarding advertising and other issues.

== History ==

In 2017, Xiaomi begun developing Vela OS, a unified software platform designed to be used with its own IoT devices. It is based on NuttX and

was announced in 2020. In 2019, Xiaomi pre-developed Mina OS, a microkernel security system. In 2021, following its decision to make automobiles, Xiaomi was developing its own car-focused operating system.

In 2022, Xiaomi decided to...

Xiaomi Mi 5

and custom ROMs installs, and as a result the phone can be updated to Android 15 with the degoogled lineageOS or LineageOS with microG. The Mi 5 also

The Xiaomi Mi 5 (Chinese: 小米5) is a smartphone developed by the Chinese electronics manufacturer company Xiaomi for its high-end smartphone line, released in February 2016. The Xiaomi Mi 5 has a 5.15-inch 1080p screen, a Snapdragon 820 processor, a 3,000-mAh battery and a Sony Exmor IMX 16-megapixel camera. The standard version has 3 GB of RAM (random-access memory) with 32 GB of storage space (UFS2.0). The advanced version has the same amount of RAM with 64 GB of storage space (UFS2.0). The premium edition has 4 GB of RAM and 128 GB of storage (UFS 2.0). It was released 528 days after the Xiaomi Mi 4 went on sale, and the Xiaomi Mi 5 was a long time coming after a flood of flagship phones from different brands.

== History ==

There were many reasons for the delay in launching the fifth generation of Xiaomi phones in 2015. First of all, Huawei's crackdown on Xiaomi was particularly severe in 2015. Therefore, Xiaomi needed to make a comeback through the release of Mi 5. Secondly, Xiaomi has always stood on the market with low price and cost performance, but the price of the Mi 5 is more than 2000 yuan, which was becoming the highest price in history, so Xiaomi wanted to reduce the price...

Xiaomi

could make a better product. On 16 August 2010, Xiaomi launched its first Android-based firmware MIUI (Now Xiaomi HyperOS). In 2010, the company raised

Xiaomi (; Chinese: 小米; pinyin: Xiǎomǐ) is a Chinese multinational corporation and technology company headquartered in Beijing, China. It is best known for its consumer electronics, software, and electric vehicles. It is the third-largest smartphone seller in the world as of 2025,

behind Apple and Samsung, most of which run on the Xiaomi HyperOS (former MIUI) operating system. It has 754.1 million global monthly active users, as of December 2025. The company is ranked 232nd and is the youngest company on the Fortune Global 500. It has been called the "Apple of China".

Xiaomi was founded in 2010 in Beijing by Lei Jun along with six associates. Lei had worked at Kingsoft as an executive and been involved in the founding and management of Joyo.com, the latter of which was sold to Amazon for \$75 million in 2004. In August 2011, Xiaomi released its first smartphone and by 2014 it had the largest market share of smartphones sold in China. Initially the company only sold its products online; however, it later opened brick and mortar stores. By 2015, it was developing a wide range of consumer electronics. In 2020, the company sold 149.4 million smartphones and MIUI had over 500 million monthly...

QR code

coefficients (ASCII values), denoted by M1 through M17 is: [77 77 77 2E 77 69 6B 69 70 65 64 69 61 2E 6F 72 67] The encoding mode is "Byte encoding". Hence the 'Enc'

A QR code, short for quick-response code, is a type of two-dimensional matrix barcode invented in 1994 by Masahiro Hara of the Japanese company Denso Wave for labelling automobile parts. It features white ("0") and black ("1") squares within a square grid featuring fiducial markers on the corners, readable by imaging devices like cameras, and processed using Reed–Solomon error correction until the image can be appropriately interpreted. The required data is then extracted from patterns that are present in both the horizontal and the vertical components of the QR image.

Whereas a barcode is a machine-readable optical image that contains information specific to the labeled item, the QR code contains the data for a locator, an identifier, and web tracking. To store data efficiently, QR codes use four standardized modes of encoding: numeric, alphanumeric, byte or binary, and kanji.

Compared to standard UPC barcodes, the QR labeling system was applied beyond the automobile industry because of faster reading of the optical image and greater data-storage capacity in applications such as product tracking, item identification, time tracking, document management, and general marketing.

As of...

SES (company)

coverage of North America, Latin America, Europe and the Atlantic Ocean. Astra 2E was launched to the Astra 28.2° East position from Baikonur in Kazakhstan

SES S.A. is a Luxembourgish communications satellite operator supplying video and data connectivity worldwide to broadcasters, content and internet service providers, mobile and fixed network operators, governments and institutions.

SES owns and operates over 70 satellites in two different orbits: geostationary orbit (GEO) and medium Earth orbit (MEO). These include European Astra TV satellites, the O3b and O3b mPOWER data satellites and others with names including AMC, Ciel, NSS, Quetzsat, YahSat and SES.

In April 2024, SES announced the acquisition of satellite services provider, Intelsat to create a more competitive multi-orbit satellite operator. The acquisition was cleared by the UK Competition and Markets Authority in May 2025, and by the European Commission in June 2025. The merger cleared the final regulatory hurdle when the US Federal Communications Commission granted its approval of the deal in July 2025. The acquisition of Intelsat was completed on 17 July 2025 after receiving the required international regulatory approvals.

Based in Betzdorf, Luxembourg, and founded in 1985 as Société Européenne des Satellites, the company was renamed SES Global in 2001 and has been simply...

Timeline of the COVID-19 pandemic in Quebec

Stéphane (June 17, 2021). "Des milliers de Québécois incapables de devancer leur 2e rendez-vous" (in French). Radio-Canada. Retrieved June 19, 2021. "Reopening

The following is a timeline of the COVID-19 pandemic in the province of Quebec.

== 2020 ==

Bash (Unix shell)

ISBN 978-0-380-81593-7. Newham, Cameron; Rosenblatt, Bill. "Learning the Bash Shell, 2e". oreilly.com. O#039;Reilly

Media, Inc. Retrieved 8 August 2025. Content preview

Bash (short for "Bourne Again SHell") is an interactive command interpreter and command language developed for Unix-like operating systems. Supported by the Free Software Foundation and created in 1989 by Brian Fox for the GNU Project, it is designed as a completely free software alternative for the Bourne shell, sh, and other proprietary Unix shells.

Having gained widespread adoption, Bash is commonly used as the default login shell for numerous Linux distributions.

It also supports the execution of commands from files, known as shell scripts, facilitating automation.

The Bash command syntax is a superset of the Bourne shell's syntax, from which all basic features of the Bash syntax were copied. As a result, Bash can execute the vast majority of Bourne shell scripts without modification. Some other ideas were borrowed from the C shell, its successor tcsh, and the Korn Shell.

It is available on nearly all modern operating systems, making it a versatile tool in various computing environments.

== Definitions ==

Xiaomi SU7

Snapdragon 8295 system-on-chip and runs Xiaomi HyperOS (澎湃OS), based on Android and used in devices such as smartphones, smart wearables, and smarthome

The Xiaomi SU7 (Chinese: 小米SU7; pinyin: Xiǎomǐ SU7, pronounced [sûtcʰí] soo-tchee in Chinese) is a full-size four-door fastback EV, made by Xiaomi Auto, an electric vehicles subsidiary of the Chinese consumer electronics company Xiaomi. It is the first motor vehicle developed by Xiaomi, manufactured at their plant in Beijing. It was announced on 28 December 2023 and officially released on 28 March 2024 in Beijing, the day Xiaomi began taking orders.

== Naming ==

According to Xiaomi, 'SU' stands for 'Speed Ultra'. 'SU' may also be a reference to the Chinese word 速 (pinyin: sù), just meaning 'speed'. Lei Jun in an online Q&A session where the company founder answered a

hundred fan questions, stated: "after internal discussion, we decided the pronunciation should be 7 (pronounced IPA-cmn: su55tchi55, or Suche), it sounds like calling a friend, has a friendly ring to it". He explained that, "domestically, 7 is a common vehicle series positioning number. The size of the model is roughly the same as the BMW 5 Series". The SU7 is available in four versions in total: the SU7, SU7 Pro, SU7 Max and SU7 Ultra.

https://uk.fulldoc.me/chap/ig162609/G8369895I8225025/zuppe-and_vellu_tate_del_cuore_caldo.pdf
https://uk.fulldoc.me/pub/2746U5P/225025160926/note_taking-for-consecutive_interpreting.pdf
https://uk.fulldoc.me/journal/56S207M/160926/e_facile_fare-la_birra_a-casa_tua_se_sai-come-farlo.pdf
https://uk.fulldoc.me/science/581V71H/160926/internal_pontoon_floating-roof_design_per-api-650-ap.pdf
<https://uk.fulldoc.me/ref/iv162609/35V84191I9225025/genitivo-grammatica-russa.pdf>
https://uk.fulldoc.me/play/14FZ764/34FZ736086/irrationality_in_health-care_what_behavioral_economics_reveals-about-what-we-do_and_why_stanford_economics_and_finance.pdf
https://uk.fulldoc.me/slide/225025/73X020833J/oggi_cucino_io_la_pasta_e-gli_altri-primi_piatti_in_600_ricette-ediz_illustrata.pdf
https://uk.fulldoc.me/science/65251IR/160926/mark_of-zorro_w.pdf
https://uk.fulldoc.me/ebook/Y47G589/160926/elementary_theory_of_structures-hsieh.pdf
https://uk.fulldoc.me/slide/5010F838D7/2555F9D/la_piuma_dorata_le_avventure_di_rosa_magic_ballerina_8.pdf