JEAN-VINCENT HONG
(JV HONG)

contact@jvhong.com
www.jvhong.com

(+1) 909-274-0090
San Francisco, CA

TECHNICAL PROGRAM MANAGEMENT / ENGINEERING MANAGEMENT / SOLUTIONS ARCHITECTURE
collaborative and dynamic leader, passionate about leveraging cutting-edge technologies to build user-centric solutions
that drive positive impact at scale, with 12+ years of experience fostering innovation and teamwork to achieve ambitious goals

CAREER

Amazon Web Services - Interactive Video Service / Twitch — **Mar. 2020 - Present**, San Francisco, CA

Director of Technical Program Management (Aug. 2022 - Present)
• Head of the 10-member Portfolio Planning and Management group, defining multi-year business goals and cross-functional priorities for an organization of 200+ engineers, delivering real-time video streaming experiences to AWS lighthouse customers
• Spearheaded organization-wide cost-saving initiatives, resulting in a 15% ($xxM) reduction in annualized operating expenses
• Established technology transformations using on-premise WebRTC protocol, achieving sub-second broadcaster-to-viewer latency
• Classified video outages and established operational strategies, reducing average response time by 58% (TTM: 82min to 35min)

Principal Technical Program Manager (Sep. 2021 - Aug. 2022)
Senior Technical Program Manager / Engineering Manager (Mar. 2020 - Sep. 2021)
• Steered software security compliance through the launch of Twitch's video streaming platform as a Tier-1 Amazon Web Service
• Directed 19 engineers in reliably scaling video distribution (90 worldwide data centers) to Twitch record 6.7M concurrent viewers
• Orchestrated localized dynamic ads insertion for major sporting events (ex: NFL Thursday Night Football, FIFA World Cup)

Amazon Lab126 - Astro Home Robot — **Dec. 2017 - Mar. 2020**, Sunnyvale, CA

Senior Technical Program Manager - Launch TPM (Mar. 2019 - Mar. 2020)
• Drove the launch readiness of a state-of-the-art home sentry robot, using Perception and SLAM (Simultaneous Localization and Mapping) algorithms, throughout strategic product milestones (ex: Beta launch, demos with the company board of directors)

Technical Program Manager - Data Collection TPM (Dec. 2017 - Feb. 2019)
• Built a cross-functional program for mass-scale data collection and annotation operations for a stealth robotics consumer-device
• Pioneered a 2-year operational roadmap with in-depth financial projections (CapEx, OpEx) and regional regulatory compliance

Hitachi Digital Services - Toyota / Lexus — **Jan. 2016 - Nov. 2017**, Los Angeles, CA

Solutions Architect - Manager
• Led 12-16 engineers to deliver web and mobile projects for an automotive industry leader, resulting in $10M operating revenue

2Advanced Studios (Digital Creative Agency) — **Apr. 2012 - Dec. 2015**, Aliso Viejo, CA

Director of Software Development (Dec. 2014 - Dec. 2015)
• Managed 8-10 engineers/designers across 5 timezones, developing 18 scalable web/mobile applications for Fortune 100 clients
• Scaled a digital game distribution platform, supporting 2M monthly-active-users and process 2 TB/s of copyrighted media content

Software Engineer (Apr. 2012 - Nov. 2014)
• Engineered an Augmented Reality gaming platform, interconnecting microcontrollers with BLE/RFID on iOS/Android systems
• Architected and implemented a Big Data network, for developers to process blockbuster game statistics near real-time in Unity

Harvard University, SEAS - RoboBees — **June 2011 - Aug. 2011**, Cambridge, MA

Research Assistant
• Developed a Computer Vision tracking system, serving as ground truth to train intelligent miniature drones into swarms of bees

EDUCATION

ESIEE Paris: **Master of Science** in Embedded Systems Engineering (specialization: Computer Vision), **Certificate of Management** in Information Systems (specialization: Intercultural Management) — **Sep. 2006 - Nov. 2012**, Paris, France

Harvey Mudd College: Exchange Student on a **Bachelor of Science** program (specialization: Electronics Engineering and Computer Science) — **Aug. 2010 - May 2011**, Claremont, CA

Université Gustave Eiffel: **Bachelor of Science** in Mathematics / Computer Science — **Sep. 2006 - Dec. 2010**, Paris, France

RECOGNITION

Prix Spécial du Jury 2011
one of the nine engineers of the year in France

Patent US20130333404
machine for autonomously producing frozen desserts

LANGUAGES

French: native
English: fluent
Vietnamese: conversational

SOFTWARE

MySQL, PHP, JavaScript, HTML, CSS, C++
AngularJS, NodeJS, ReactJS, WordPress
Confluence, Jira, Smartsheet
Google Workspace, Amazon Web Services

updated in Mar. 2024