

Job Notification Form, IIT Delhi

Company Overview

Name: Taiwan Semiconductor Manufacturing Company

Website: <https://www.tsmc.com/>

Company Type: Core (Technical)

Description: Established in 1987 and headquartered in Hsinchu Science Park, Taiwan, TSMC pioneered the pure-play foundry business model with an exclusive focus on manufacturing customers' products. By choosing not to design, manufacture or market any semiconductor products under its own name, the Company ensures that it never competes with its customers. And so, the key to TSMC's success has always been to focus on its customers' success. TSMC's foundry business model has enabled the rise of the global fabless industry, and since its inception TSMC has been the world's leading semiconductor foundry. The Company manufactured 11,617 different products using 281 distinct technologies for 510 different customers in 2020.

TSMC-made semiconductors serve a global customer base that is large and diverse and includes a wide range of applications. These products are used in a variety of end markets including mobile devices, high performance computing, automotive electronics and the Internet of Things (IoT). Such strong diversification helps to smooth fluctuations in demand, which in turn allows TSMC to maintain higher levels of capacity utilization and profitability, and generate healthy returns for future investment.

The annual capacity of the manufacturing facilities managed by TSMC and its subsidiaries exceeded 12 million 12-inch equivalent wafers in 2020. These facilities include four 12-inch wafer GIGAFAB® fabs, four 8-inch wafer fabs, and one 6-inch wafer fab – all in Taiwan – as well as one 12-inch wafer fab at a wholly owned subsidiary, TSMC Nanjing Company Limited, and two 8-inch wafer fabs at wholly owned subsidiaries, WaferTech in the United States and TSMC China Company Limited.

In May 2020, TSMC announced its intention to build and operate an advanced semiconductor fab in the United States, in order to better support customers and partners there as well as to attract global talents. This facility, to be built in Arizona, will utilize TSMC's 5-nanometer technology for semiconductor wafer fabrication and will have a capacity of 20,000 semiconductor wafers per month. Construction is planned to start in 2021 with production targeted for 2024.

TSMC provides customer support, account management and engineering services through offices in North America, Europe, Japan, China, and South Korea. At the end of 2020, the Company and its subsidiaries employed more than 56,000 people worldwide.

The Company is listed on the Taiwan Stock Exchange (TWSE) under ticker number 2330, and its American Depositary Shares (ADSs) are traded on the New York Stock Exchange (NYSE) under the symbol TSM.

Job Details

Designation: Software Engineer (TSID)

Type: Information Technology

Place of Posting: Hsinchu City, Taiwan

Job Details: Building world-class factory infrastructure at record speed and ramped to high-volume production is key to enable tsmc to scale worldwide. We are looking for a highly motivated engineer to join our global systems development team within supporting tsmc factories worldwide. The ideal candidate has a highly technical multi-discipline engineering skillset that can push the limits of complex system design at large scale.

1. Develop state of the art code
2. Continue to refactor existing applications
3. Contribute to write tests to ensure software quality
4. Apply software design principles to ensure software quality
5. Ensure sustainability and performance of software applications
6. Collaborate with colleagues in design and code reviews.
7. Willing to learn new IT technology

Requirements:

1. Good at any listed programming languages : Python, JAVA, C++, Python, GO, JavaScript.
2. Ability to write web app web apps using HTML5, AngularJS, React , Node.js, and Mongo is plus
3. Familiar with software engineering practices: CI, CD and TDD
4. Have foundation of OOP, design principles and design patterns
5. Experience managing container-based workloads, using Kubernetes or other orchestration software is a plus.
6. Good communication skills with proactive, good interpersonal and problem-solving capability.
7. With AI related experience is a plus.

International: Yes

Joining By: 31 August 2022

Salary Details

CTC: 67,700 USD Per Annum

Gross: 57,203 USD Per Annum

CTC Breakup:

1. Including 12-month base pay, 2-month year-end bonus, profit sharing, 2-month relocation bonus, and months of sign on bonus.
2. Base Salary, year-end bonus are fixed and recurring; Relocation and sign on bonus are one shot paid after onboard.

*Above salary is for Master students, Bachelor students will get different pay.

Perks / Bonus: Mentioned as CTC breakup.

Bond: Yes

Selection Process

Resume Shortlist: Yes

Written Test:	No
Online Test:	Yes
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	2
No. of Offers:	10
Minimum CGPA:	7.5

Eligibility

Recruiting PHDs: No

Eligible Departments: B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Mathematics & Computing, B.Tech and M.Tech in Biochemical Engg & Biotechnology, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Tech in Biomedical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Control & Automation, M.Tech in Integrated Electronics & Circuits, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Radio Frequency Design & Technology, M.Sc in Mathematics, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Engineering Physics and M.Tech in Computer Science & Engineering, B.Tech in Chemical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Biochemical Engineering and Biotechnology