

DBS FinTech Apprenticeship Programme 2024									
Job Code	Business Unit	Line Of Business Technology (LOBT)	Department/Platform	Work Location	Key Learning Objectives	Internship Scope	Requirements	No. of Vacancy	Job Code
ADA_001	Technology & Operations	Advancing DBS with AI (ADA)	Data Technology	2 Changi Business Park Crescent, DBS Asia Hub, Lobby A	<ul style="list-style-type: none"> - Gain proficiency in programming languages such as Python, Java. - Understand software development methodologies and tools. - Develop the ability to analyze and solve complex technical problems. - Learn to think critically and creatively. - Gain experience in working collaboratively with others to solve problems. 	The apprentices will work on a number proof-of-concept projects to validate Generative AI use cases. They will be develop full stack application with a microservice backend and React UI. The application will integrate with Generative AI components like vector store, large language model to provide solution for a specific business problem.	Interest in software programming, possess a growth mindset	3	ADA_001
ADA_002	Technology & Operations	Advancing DBS with AI (ADA)	Testing Center of Excellence	2 Changi Business Park Crescent, DBS Asia Hub, Lobby A	Learn and understand the architecture of the data platform, including data storage, processing, and retrieval mechanisms Gain familiarity with databases, data warehouses, and data lakes Develop skills in assessing and ensuring the quality of data through various testing methods Learn how to design and execute tests to validate data accuracy, completeness, and consistency Gain hands-on experience in creating automated tests for data pipelines Understand how to test data transformation and integration processes using automation tools and frameworks Learn about data security measures and compliance requirements applicable to the data platform Develop skills in testing data access controls, encryption Gain experience in performance testing of data systems, including assessing data retrieval and processing speeds Understand the impact of data volume on system performance Gain experience in preparing clear and concise reports on the quality and any identified issues Cultivate a mindset of continuous learning, keeping up with emerging trends and technologies in data platforms and testing methodologies	We are looking for talented and motivated Software Development Engineer in Test (SDET) Intern to join our ADA Quality Assurance team. The candidate should be passionate about ensuring software quality, has a strong interest in various testing methodologies, and is eager to contribute to the development of high-quality software *- Assist in the creation of test plans and strategies for various projects in the data platform - Collaborate with the cross-functional teams to understand project requirements and ensure comprehensive test coverage - Develop and maintain automated test scripts for the data platform using testing frameworks - Execute automated tests and analyze results to identify defects and performance issues - Conduct manual testing when necessary to validate the behavior of specific features - Document and track defects, and work closely with developers to ensure timely resolution - Contribute to the improvement of testing processes and methodologies - Stay up-to-date with industry best practices and incorporate them into our testing processes	- Strong programming skills in languages such as Java, Python, or C# - Understanding of software testing concepts and methodologies - Excellent problem-solving and analytical skills - Strong communication and collaboration skills	1	ADA_002
ADA_003	Technology & Operations	Advancing DBS with AI (ADA)	Data	2 Changi Business Park Crescent, DBS Asia Hub, Lobby A	Big Data Technologies: Internship Scope: Understand and work with Hadoop, Spark, and distributed computing. ETL Processes: Internship Scope: Acquire skills in Extract, Transform, Load processes. Cloud Platforms: Internship Scope: Familiarize yourself with cloud platforms like AWS or Google Cloud. Programming and Scripting Languages: Internship Scope: Gain proficiency in languages like Java, Python or Groovy. SDLC: Internship Scope: Understand the software development life cycle. Version Control: Internship Scope: Learn Git and collaboration practices. API Development: Internship Scope: Understand principles of building and consuming APIs. Testing and Debugging: Internship Scope: Learn testing methodologies and debugging skills. Agile Development: Internship Scope: Participate in Agile processes. Documentation: Internship Scope: Develop skills in writing clear and concise technical documentation.	Big Data Technologies: Internship Scope: Understand and work with Hadoop, Spark, and distributed computing. ETL Processes: Internship Scope: Acquire skills in Extract, Transform, Load processes. Cloud Platforms: Internship Scope: Familiarize yourself with cloud platforms like AWS or Google Cloud. Programming and Scripting Languages: Internship Scope: Gain proficiency in languages like Java, Python or Groovy. SDLC: Internship Scope: Understand the software development life cycle. Version Control: Internship Scope: Learn Git and collaboration practices. API Development: Internship Scope: Understand principles of building and consuming APIs. Testing and Debugging: Internship Scope: Learn testing methodologies and debugging skills. Agile Development: Internship Scope: Participate in Agile processes. Documentation: Internship Scope: Develop skills in writing clear and concise technical documentation.	- Communication: Clear communication of technical concepts - Team Collaboration: Ability to work well in a team. - Adaptability: Flexible and adaptable to changes. Problem-Solving: Strong analytical and problem-solving skills - Time Management: Efficiently prioritize tasks and meet deadlines - Attention to Detail: Keen focus on accuracy and quality - Initiative: Proactive and self-motivated learner - Professionalism: Responsible and accountable attitude - Learning Agility: Quick learner with a desire to acquire new skills - Interpersonal Skills: Build positive relationships and collaborate effectively	2	ADA_003
IBGT_001	Technology & Operations	Institutional Banking Group Technology and Future Ready (IBG-FRT)	IBG/FRT - Application Production Support	2 Changi Business Park Crescent, DBS Asia Hub, Lobby A	You will be trained on the job to learn relevant skills and know-how and take on roles in our core applications production support team. To focus on governing and assisting technology teams to ensure a high resilient and secure end-to-end applications. You will be working with application owners, business analysts and end users within the organization.	Provide Operational Support to production support teams Must be ready to work in rotation shifts • Incident Management and Reporting • Recovery coordinator for involving the right parties and recording of chronological events • Point of escalation for support staff or management • Review all daily activities and ensure completion of shift duties for each team and proper handover • Monitoring and recovery of batch jobs • Perform health checks • Alert management • Coordinate DR testing and audit • Implement continuous improvements through automation tools, SRE (Site Reliability Engineering) principles • Perform post-resolution follow-ups to ensure problems have been adequately resolved by the application team. • Ensures on-time communication to stakeholders on application issues. • Support and facilitate business/operations communication during critical issues	• Worked on Operating System: Linux / Solaris / AIX, conversant with SQL, Banking or Financial domain knowledge is an advantage • Clear communication skills both written and oral • Self-starter with excellent crisis management skills	5	IBGT_001
MOT_002	Technology & Operations	Middle Office Technology (MOT)	Risk Platform	2 Changi Business Park Crescent, DBS Asia Hub, Lobby B	1. Technical skills in new technology and infrastructure 2. Work with vibrant team and culture 3. Soft skills - Presentations and speaking 4. Get work experience in fast paced and under pressured environments. 5. Get exposed to new way of working and SRE principles.	Intern is expected to help in DBS resiliency related projects. We will be having multiple small projects such as dashboarding, alerting, monitoring, incident/change management, application architecture, performance. We would like to engage interns into these small projects. Intern performance will be measure against their technical skills mainly. On top of technical skills, we are expecting to have soft skills as these projects require training and presentation to large groups. Project management and time tracking would be the other area. Outcome: Learn and apply technical skills. Get the exposure to present your work and speak in front of large audience. Project management and tracking skills. New technologies and infrastructure	Soft Skills: Project management, Good written and oral communication skills, Presentation and public speaking, Technical Skills: Unix, SQL, Big Data, Spark programming, Angular, Python	1	MOT_002