

Vivek Nagarajan

813-454-3759 | nvivek.careers@gmail.com | [Linked In](#)

PROFESSIONAL SUMMARY

A highly motivated Technology Consultant with 16+ years of extensive experience in building applications for on-premises & public cloud for data intensive OLTP & Data Warehouse environments, with core expertise in Banking Domain and with technology expertise across Application & Data Architecture, Azure, Oracle, Python, Terraform, Data Modeling, Application integration, SQL, PL/SQL, SQL Performance Tuning, Oracle Database Administration, Shell Scripting, Autosys job scheduling and Cloud technologies - Azure, Snowflake.

Extensive experience with Project & People management. Successfully lead many project implementations across all phases of application development in Agile & Waterfall models. Actively managed project deliveries with teams working across geographies.

Highly recognized, approachable and a trusted individual at worksite with strong ownership & ability to contribute at any level within the organization. An excellent oral & written communicator with experience working across cross functional teams. A quick learner with the ability to learn-unlearn-relearn things with a strong passion towards continuous learning and a love towards sharing the knowledge.

TECHNOLOGY EXPERTISE

- Actively working on IT strategy in migrating on-prem applications to public cloud. Currently working on defining the High Availability (HA) and Disaster Recovery (DR) strategy for the applications being hosted in Azure Cloud. Actively involved in an engagement with Databricks & Microsoft team to on-board Azure Databricks for the platform.
- Actively working on defining the data models in Data Vault standard to migrate on-prem Oracle tables to Snowflake.
- Architected and implemented a horizontally scalable & highly available Calculation Engine, to compute Performance & Risk metrics for the funds administered by the bank, using Python 3.x, Oracle 12c, Django, Pandas, NumPy, NGINX load balancer and REDIS Cache.
- Successfully implemented multiple Data Warehouses for various regulatory requirements of the bank.
- Actively contributed for a AWS cloud based Data management product development based on Java, Aurora PostgreSQL, DynamoDB. Defined the DB security model for PostgreSQL deployment in cloud.
- Possess a strong knowledge on Oracle Architecture & Internals, SQL and PL/SQL programming.
- Hands-on experience with designing databases for high performing OLTP & Data Warehouse applications.
- Expert in Performance Tuning of SQL statements using Oracle Hints, Execution plans & Partitioning techniques, creating PL/SQL Stored Procedures, Functions, Packages, Triggers, Oracle cursor management, exception handling & propagation, Ref Cursors, Dynamic SQL, Objects and Collections.
- Extensive experience in developing Korn Shell scripts and scheduling jobs through Autosys.
- Developed numerous automations using Oracle and Shell Scripting.

SKILLS

- App & Data Architecture
- Azure
- Databricks
- Oracle Database
- Python 3.X
- Snowflake
- Terraform
- OLTP & Data Warehouse
- SQL & PL/SQL
- Oracle Performance Tuning
- Data Modeling
- Data Vault
- REDIS
- NGINX
- Web Service
- Shell Scripting
- Java
- GIT Version Control
- Autosys Scheduling

CERTIFICATIONS

- Snowflake SnowPro Core
- Microsoft Certified: Azure Fundamentals
- AWS Certified Solutions Architect – Associate (Validation# N6CBV0S2FBB4QZGK)
- Oracle Certified SQL Expert,
- Oracle Certified Associate – PL/SQL Developer

EDUCATIONAL QUALIFICATIONS

Bachelors in Information Technology, 2005 Anna University, India

ACHIEVEMENTS

- **Unsung Hero** - Awarded by State Street Bank & Trust, for the dedication, technical expertise, team collaboration and for successfully delivering a very complex project in a short duration exceeding customer's expectations.
- **Business Enabler** - Awarded by Cognizant Tech Solutions for demonstrating potential to build products of high quality and to collaborate with technical and non-technical users.
- **Pat On Back Award winner** - Awarded by Mahindra Satyam (Satyam Computer Services Ltd) for completing a critical project with excellent PL/SQL code quality.
- **Certificate of Recognition** – Awarded by McGraw-Hill companies for demonstrating excellent innovation, team work and contribution to the Overall success of the project.

PROJECT HISTORY

App & Data Architect, Azure & Oracle Consultant @ State Street Bank & Trust Company

Project Duration September 2014 - Present

- As part of State Street's Azure Platform Engineering team, actively working on IT strategy in migrating on-prem applications to Azure public cloud. Currently working on defining the High Availability (HA) and Disaster Recovery (DR) strategy for the applications being hosted in Azure Cloud. Actively involved in an engagement with Databricks & Microsoft team to on-board Azure Databricks for the platform.
- Worked on defining the data models in Data Vault standard to migrate on-prem Oracle tables to Snowflake.

- Architected and implemented a horizontally scalable & highly available multi-tiered Calculation Engine to compute Performance & Risk stats for the Funds administered by the bank. The Calculation Engine is being developed with the intent to,
 - Be a single producer of Performance & Risk metrics and to replace multiple existing backend services that are in use today to support various BI applications.
 - Generate stats for multiple fund hierarchies based on Security classifications.
 - Introduce new stats with simple database configurations avoiding code changes & deployments.
- Designed the end to end architecture of Calculation Engine using Python 3.x, Oracle 12c, Django, Pandas, NumPy, NGINX load balancer and REDIS Cache with data replication & auto failover capabilities.
- Successfully implemented multiple Data Warehouses for various regulatory requirements of the bank using an in-house data management SaaS product. In addition, actively contributed towards enhancing multiple features of the data management SaaS product.
- Actively contributed for a AWS cloud based Data management product development based on Java, Aurora PostgreSQL, DynamoDB. Defined the DB security model for PostgreSQL database in cloud with deployment to be performed through Ansible & Cloud formation scripts.
- Resolved many Oracle SQL performance issues across multiple data warehouses and applications.
- Interacted with Business Analyst & product team to review the business & functional requirements.
- Actively worked with SQA team throughout the testing phase, initiated change management activities, lead the production deployments, involved in defect fixes and post production support.

Oracle Database Lead @ JP Morgan Chase (Cognizant Tech Solutions)

Project Duration April 2010 - August 2014

- Lead the backend application development for a new Prepaid card platform, in onsite-offshore model
- Architected and implemented a core backend module named "Payment Engine".
- Defined the Oracle schema (Tables & related) and developed PL/SQL components (Packages, Functions, Procedures, Triggers etc.), shell scripts and Autosys jobs associated with the new platform.
- Actively worked with Business Analyst & product teams towards defining & reviewing the Functional Requirements, based on the Techno-functional SME knowledge from an existing prepaid card platform associated with Health Savings Account business.
- Resolved multiple SQL performance issues across the platform.
- Heavily contributed towards implementing a payment card authorization module in PL/SQL.
- Actively participated in project status meeting, performed L0/L1/L2 estimation, initiated change management activities, involved in defect fixes and post production support.

Oracle Database Lead @ Ministry of Law – Singapore (Satyam Computers)

Project Duration May 2009 - April 2010

- Designed the entire database structure and developed Oracle Objects (Stored Procedure, Functions etc.) for a data migration project.
- Assisted the front-end development team with respect to database related clarifications/issues.
- Performed the Data Mapping between the tables of existing and new system.
- Wrote transformation scripts for Data Migration.
- Interacted with the customers to get the clarifications with respect to Data Migration.

Sr. PL/SQL Developer @ Electronic Arts (Satyam Computers)

Project Duration January 2009 - April 2009

- The project was to perform automatic on-boarding & off-boarding of EA's employees with their employee numbers to be maintained in PER_ALL_PEOPLE_F table on Oracle ERP.
- Performed one time data cleanup to capture the employee ID in PER_ALL_PEOPLE_F.
- Created Concurrent Program to generate the discrepancy report on the Employee/Contractor number stored in PER_ALL_PEOPLE_F table.
- Performed Unit testing, coordinated the integration testing & Code deployment.

PL/SQL Developer @ Logitech Inc (Satyam Computers)

Project Duration November 2008 - January 2009

- The system was designed for Logitech Inc., for its Sales and Marketing (S&M) team. Interacted with EA's business team to get the requirements. Designed Accrual Engine and the required Oracle database objects (Tables, Stored Procedures, Triggers etc.).

PL/SQL Developer @ McGraw-Hill (Satyam Computers)

Project Duration September 2007 - October 2008

- Designed & developed Oracle database objects (Tables, Procedures, Packages etc.), performed Unit testing & Integration testing, worked on WebQL language to load data from Web.

Developer @ Citi Cards (Tata Consultancy Services)

Project Duration November 2006 - May 2007

- As part of production support, resolved the tickets raised by the end users of the system, worked on Clear case configuration system to compile & deploy the latest application patch.

Developer @ Standard Chartered Bank (Tata Consultancy Services)

Project Duration January 2006 - October 2006

- Worked on a maintenance project associated with a data service backend component written using Oracle, Pro*C, C and C++. Contributed in design, development, Unit testing and Deployment Support.