**Mythreyi Subramanian**

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**Visa is Green card**

**Ready to onsite in California and Remote**

# Who am I

I code, I lead, I develop software, assemble small teams with the right talents, and stay hands on! Dynamic and results-oriented professional with over 20 years of experience in architecting, designing, and implementing cutting-edge solutions for leading organizations in the financial services and technology sectors. Proven expertise in managing complex projects, leading cross-functional teams, and delivering scalable, secure, and high-performance systems. Adept at leveraging a broad range of technologies and methodologies to drive innovation and achieve business objectives.

# My assets

* **Master of Science (by Research) in Network Security**
* **Master of Business Administration in marketing.**
* **Bachelor of Engineering in Computer science.**

# My Technical Feed!

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| **Category** | **Skills** |
| Programming Languages | Java, J2EE (JSP, Servlet, EJB, JPA), PL/SQL, Ruby on Rails, C, C++, Python, JavaScript, HTML, CSS, XML, XTML, XSD, XSLD, XSLT, ASP, Servlets, Java XML,Java Swing, Hibernate, Applet, JMS, JAXB, JAXP, Node.js, AngularJS, FTL, React.js, Hickory, Guava |
| Networking & Security | OWASP, SSH, TLS, SSL, TCP/IP, HTTP, FTP, SFTP, SMTP, UDP, VPN, GDOI, ISO/IEC27001, NIST, CyberArk, Verisign, Token-based Authentication,Certificate-based Authentication and Management, Digest Authentication, MD5, Hashing Algorithms, DES, RSA, AWS Signature v4, OpenID Connect, PingFederate OAuth, Java Cryptography (PKI, Secret Key, Public Key) |
| Data Governance Products | Alation, Collibra |
| Data Engineering Pipeline | Apache Kafka, Azure Data Factory, Azure Logic Apps, Databricks, MapReduce, Sqoop, Hive, Pig, HBase, Cassandra, HDFS, Kafka, Oozie, Spark, Scala |
| Cloud Platforms & Deployment | Azure, AWS (EC2, DynamoDB, CloudFront), Kubernetes, OpenShift, PCF, CI/CD Pipeline, Jenkins, SaaS, IaaS, PaaS, CaaS |
| Data Analytics Tools | Power BI, Apache Spark, Hadoop, Hive, Cassandra, Lucene, Solr, Elastic (ELK) Search, ZooKeeper |
| Databases/NoSQL | SQL Server, MS Access, Oracle, MySQL, MongoDB, Cassandra |
| Testing/Content Management | JUnit, Postman, SoapUI, cRest/Fatwire, UCM, Mobius, Wiki, Confluence, Teams, BDD, TDD |
| IDE/Version Control Tools | IntelliJ, Eclipse, MyEclipse, WebLogic Workshop, RAD, WSAD, WSAI, TOAD, SQL Developer, GitLab, Radar, CVS, ClearCase, PVCS, StarTeam, SVN |
| Frameworks | Struts, Spring, Log4j, JSF, Dojo, Adobe Flex, jQuery, Portal, Solr |
| Methodologies | Vector, RUP, Agile (Scrum, XP), Spiral, Waterfall |
| Scripting | JavaScript, Shell Scripting, PHP, ANT, Perl, Maven, Gradle, Python |
| Servers | C3, Tomcat, WebLogic, JBoss, WebSphere, Apache Web Server, WAMP |
| Web Services | WSDL, UDDI, JNDI, SOA, Coherence, REST |
| Operating Systems | UNIX, Linux, Solaris, Windows, OpenBSD, FreeBSD, macOS, DOS |
| Scheduling | EventBridge Scheduler, Java Scheduler & Listener, CA7, Autosys |
| Packages/Middleware | Adobe Acrobat Suite, Microsoft Office Suite, Rational Rose, UML, Caliber, RSA, MQExplorer, Remedy, Wicket, QC, BEA, Tibco, MQSeries, JMS, JIRA, MSTR Reporting, HP DMA, RTC, BladeLogic, Serena, Snowflake, APIGEE, Vulcan |
| Certifications | Sun Certified Java Developer |

**My Core Competencies!**

* Network Infrastructure & Cloud (Azure, AWS)
* Program & Project Management
* Process Optimization & Workflow Efficiency
* Data Analysis & Reporting (Power BI, SAP, Dynamics 365)
* DevOps, CI/CD, Automation
* Inclusive Leadership & Culture Building

# What did I do till now

**Wells Fargo, San Leandro, CA**

**Lead Software Engineer Jan’23 – Till date**

**Project, Responsibilities and Skills:**

* **Architectural Modernization:** Strategized and led the decommissioning process, developing POCs and templates for modernizing legacy systems while ensuring compatibility and scalability with Wells Fargo's Orchestra framework.
* Automate the cloud deployments using chef, python (boto& fabric) and AWS Cloud Formation Templates.
* Involved in deploying systems on Amazon Web Services Infrastructure services EC2, S3, RDS, SQS, Cloud Formation.
* Develop cloud formation scripts to build on demand EC2 instance formation.
* Developed API for using AWS Lambda to manage the servers and run the code in the DB.
* Coded the user interfaces of backstage management system of Data Management Platform product with HTML/CSS.
* Used Python **BOTO 3**and Fabric for launching and deploying instances in **AWS.** Configured Inbound/Outbound in **AWS**Security groups according to the requirements.
* Exposed to cross platform migrations Oracle to PostgreSQL where I documented and assisted during migration from ORACLE Databases to PostgreSQL database in AWS Cloud
*  Hands - on experience in PostgreSQL as well as EDB PostgreSQL architecture
* Involved in developing functions for Amazon Lambda to manage some of the AWS services.
* **Technical Leadership:** Led a team in overcoming challenges and achieving successful modernization outcomes, incorporated security measures, elastic dashboards, and vulnerability scans.
* **Microservices Development**: Built all components as microservices using REST and APIGEE, improving flexibility, scalability, and deployment efficiency.
* Design, integration, and management of **Amazon Web Services (AWS)** cloud solutions including **VPC, Security Group policies, IAM, APIs, Route 53, CloudFormation, S3, Glacier, OpsWorks and** provisioning of **EC2 instances and** integrated into local area offices in multiple zones. Implemented
* erformed Installation/configuring PostgreSQL. Mainly PostgreSQL VERSIONS 9.6, 10.11 and 11 Exposure to cross platform migrations and performed and documented Data Migration from Oracle databases to PostgreSQL database in AWS Cloud using SCT
* **Authentication and Authorization:** Implemented PingFederate for secure authentication and authorization across all components, ensuring data integrity and compliance with security standards.
* **Continuous Integration/Continuous Deployment (CI/CD):** Designed and implemented CI/CD pipelines using Jenkins and UCD, automating deployment processes and improving release cycles.
* **Agile Methodology:** Facilitated agile practices with 2-week scrum cycles, supported releases, and effectively communicated functional requirements through user stories.
* **Automation:** Championed automation initiatives to streamline manual processes, improving team productivity and reducing operational overhead.

**Technology Stack:** Java 11, J2EE, Spring, Spring Batch, CA7, elastic search (ELK), micro services, PCF, APIGEE, Jenkins, UCD, REST, intelliJ, MongoDB, Springboot, Log4j, Splunk, react, Agile, Vulcan automation, JUnit, Spark.

 **TIAA, Charlotte, NC (REMOTE)**

 **Sr Tech Lead / Sr Solution Architect (Feb’20 – Jan,23)**

 **Project, Responsibilities and Skills:**

* **EXIT SAG (Legacy Transformation Project):** Architecting, designing, and leading a team to convert legacy mainframe batch processes to Spring Batch.Implemented scheduling using CA7.
* **BOT (Micro App for Investment Processing):** Developed microservices using Java schedulers deployed in OpenShift.
* Develop cloud formation scripts to build on demand EC2 instance formation
* **RKS (Record Keeping Simplification):** Led the project to replace Omni transactions with Angular transactions and microservices.
* Designed and architected solutions, conducted POCs, and resolved integration challenges with mainframe systems, CA7, and more.
* Upgraded technologies including Angular, Java, Spring, etc., ensuring compatibility and performance.
* Managed CI/CD pipelines, Jenkins builds, and deployments to various environments.
* Secured applications using LDAP, SSO, and CyberArk.
* Led a technical team, provided planning, estimation, and coordination of activities.
* Implemented data pipelines using technologies like Sqoop, Hadoop, Hive, and Kafka/Storm for real-time processing.
* Coded the user interfaces of backstage management system of Data Management Platform product with HTML/CSS.
* Involved in deploying systems on Amazon Web Services Infrastructure services EC2, S3, RDS, SQS, Cloud Formation.

**Technology Stack:** Java 8, J2EE, Spring, Spring Batch, CA7, OpenShift, AngularJS, Elasticsearch (ELK), Microservices, LDAP, CyberArk, Kafka, Spark, AWS (EC2), MongoDB, Cassandra, Oracle, SQLServer, Python, JavaScript, Tomcat, Log4j, Splunk, Agile, JUnit, CSS, XML, HTML5, PHP, MySQL, Hadoop, Hive, Scala, IntelliJ.

**Equinix Inc., Sunnyvale, CA**

 **Sr IT Architect (Aug’18 – Jan’20)**

**Project, Responsibilities and Skills:**

* **Interconnection 360 :** Developed a search engine for all ports, mples, switches, and customer requests with live data feed capabilities for all customers in equinix..
* Implemented schedulers and listeners using Oracle DB, JMS, and TIBCO queues.
* Sole developer from scratch, using Java, Spring, AngularJS for UI, and microservices for data retrieval.
* Automate the cloud deployments using chef, python (boto& fabric) and AWS Cloud Formation Templates.
* Developed API for using AWS Lambda to manage the servers and run the code in the DB.
* Deployed on Tomcat, utilized Cassandra for user data storage, and integrated SSO authentication using LDAP.
* Involved in developing functions for Amazon Lambda to manage some of the AWS services.
* Managed defects using HP ALM, provided support for releases, and handled production issues.
* **Technology Stack:** Java 8, J2EE, Spring, AngularJS, Eclipse, Cassandra, Oracle, JavaScript, Tomcat, Log4j, TIBCO, Solr, AJAX, jQuery, Agile, Linux, SQL Developer, WinSCP, MobaXTerm, JUnit, CSS, HTML5, XML, JSON, Spark.
* Involved in designing and deploying a multitude applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto scaling in AWS Cloud formation.

**Apple Inc., Cupertino, CA**

 **Senior Software Architect (Systems Integration) (Feb’17 – Aug’18)**

 **Project, Responsibilities and Skills:**

* **Apple Pay Product Catalog:** Orchestrated the integration of upstream systems to consolidate product data in Cassandra using Spark jobs.
* Led multiple projects, managed teams, and integrated systems using React.js and React Native for mobile apps.
* Designed and implemented data pipelines with Kafka/Storm for real-time data processing.
* Collaborated on capacity planning and infrastructure for system delivery.

**Technology Stack**: Radar,Java 8, J2EE, Spring, REST, React.js, Eclipse, Cassandra, Oracle, Log4j, Splunk, AJAX, jQuery, FreeMarker, Agile, Linux, SQL Developer, Kafka, DevCenter, HDFS, Hadoop, Hive, Sqoop, Spark, Scala.

**TIAA-CREF, Charlotte, NC**

 **Sr. IT Architect / Team Lead (Mar’14–Feb’17)**

 **Project, Responsibilities and Skills:**

* **Digital Forms Factory (DFF):** Led the transformation of paper forms into digital forms with various functionalities like mail, print, e-delivery, e-signature, etc.(2016, 2017).
* Developed DFFWeb applications for intranet and administration (2014, 2015).
* Implemented **QDRO** application for alimony calculations (2015).
* Management and Leadership:Managed a team of over ten members onsite and offshore.
* Acted as the first point of contact for escalations and alarms.
* Led production releases, including change management and implementation planning.
* **Technology Stack:** Java, Spring framework, Oracle Coherence for data caching, AngularJS, Node.js for UI interactions, React.js for flexible UI and mobile apps, SOAP and REST services (JAXB for REST, WSDL for SOAP), OAuth for security (PingFederate, DataPower).

**Bank of America, Charlotte, NC**

 **Sr. Developer (Sep’13–Mar’14)**

**Project, Responsibilities and Skills:**

* **VSIMS (Valuation and Evaluation System):** Built a web application for business partners to evaluate properties for buy/sell decisions.
* Integrated MSTR (MicroStrategy) for reporting functionalities.
* **Technology Stack:** Java, Spring, Hibernate for ORM, Struts, JSP, JavaScript, Ajax, jQuery for UI enhancements, SVN for version control, SQL Developer for database interactions, Apache and WebLogic for web servers.

**TIAA-CREF, Charlotte, NC**

 **Tech Lead/ Sr. Developer (July’ 09 – Sep’13)**

 **Project, Responsibilities and Skills:**

* Led development efforts for critical internet portals including Participant Portal and Admin Portal, central to user and administrative functions within TIAA-CREF. Developed multiple applications spanning Allocation Rebalancing Transfers, Online Pension Enrollment, Employee Profile, Multi-Vendor Administrative System, Search Engine, Fee Disclosure 404a and 404b, Customer Inquiry, and Custom Portfolio.
* **Requirement Analysis and Design:** Captured business requirements from Functional Design Documents (FDD) and translated them into Technical Design Documents (TDD). Adhered to SDLC and Agile methodologies.Designed web layers, business logic, and validation components using JSF, Spring, JSTL, and DAO design patterns. Utilized WSDL-first methodology for application development and employed SoapUI for mock response generation.
* **Quality Assurance and Deployment**: Debugged applications using Wily, Tealeaf, FIS, and Splunk. Managed code build and migration across environments using SCMPro. Monitored defects using QC (Quality Center) and provided warranty support for two weeks post-deployment. Documented technical aspects and processes comprehensively throughout the project lifecycle.
* **Collaboration and Environment Management:** Facilitated meetings with BAs, QAs, and integration teams for analysis and integration.Configured development, test, performance, and production environments.
* **Technology Stack**: Java 6, J2EE, JavaScript, Spring, JSF, JSTL, WebLogic Portal 10.0, WebLogic Server 10.3.6, Apache, Coherence, AJAX, JQuery, J2ME, SOAP, REST services, DOJO, WebLogic Workshop, StarTeam, XML, WSDL, JAXB, XSD, Agile, SDLC, Linux, Windows, SQL Developer, Oracle, JUnit, iText, SoapUI.

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|  | **Qwest Communications International Inc., Omaha, NE****Project Lead (July’05 – Feb’09)****Project, Responsibilities and Skills:*** Led the Middleware Operation Management System (MOMS), encompassing code conversion projects from mainframe to Java/Ruby, including Eastern billing (2009), Eastern ordering (2008), Customer Maintenance and Report (2007), TPV (third party active pulse), and CPGPR (external vendor authentication) Gateway (2006), Cash and Treatment (2005).
* Implemented MVC, DAO, and Singleton design patterns as per project requirements.
* Developed applications using Struts, JSP, and Hibernate with Oracle as the backend database.
* Utilized SQL and SQL Developer/TOAD for database testing and querying.
* Proficient in Java, J2EE, and Ruby on Rails for coding and JUnit for testing.
* Extensive experience in real-time telecom systems and protocols such as TCAP, MTP2, MTP3, SCCP, M3UA, SIGTRAN.
* Provided Tier 1 consulting support for Java, J2EE, and BEA products.
* Worked on middleware products like Oracle, Tibco, and MQSeries across servers (Tomcat, JBoss, WebLogic, WebSphere) and platforms (Unix, Linux, Solaris).
* Familiar with Clearcase, PVCS, Java Printing API, J2SE, Test-Driven Development (TDD), Linux, Unix, Solaris, J2ME, Remedy, TOAD, SQL Server, Oracle (WebLogic, JRockit, Corba, Tuxedo).

**Anna University, India****Graduate Trainee (Oct’02 – Dec’04)****Project, Responsibilities and Skills:*** Worked on the Product Information Center project sponsored by DRDO (Defense Research and Development Organization), focused on managing product data and inventory details.
* Implemented a web application using Java, JSP, Tomcat, and MySQL.
* Involved in analysis, design, development, debugging, testing, and documentation.
* Extended application functionalities from small to medium-scale development initiatives.
* Technologies used include Java, J2EE, MySQL, SQL, Tomcat, UNIX, XML, Windows, Eclipse.
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