

# Sai Uday Bhaskar Mudivarty

## Senior Software Engineer | Application Developer

📍 San Jose, CA

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### Professional Summary

Senior Software Engineer with **9+ years of experience** building scalable SaaS platforms, Salesforce ISV managed packages, and enterprise CPQ/CLM solutions. Proven track record of delivering **high-impact products**, designing **asynchronous and integration-heavy systems**, and leveraging **AI to accelerate developer productivity**—strong cross-functional collaborator with deep expertise across Salesforce, Azure, and enterprise integrations.

### Education

#### MS in Computer Science | NORTHERN ILLINOIS UNIVERSITY | May 2015 | 3.74 GPA

- Course Work: Software Engineering, System analysis and design, Advanced Database concepts, iOS Programming, Android Programming, Web development, Advanced Mobile Development.

### Technical Skills

- **Languages:** Apex, Python, C#, Java, C, Objective-C, Swift, SQL
- **Web & Front-End:** Node.js, React, Angular, HTML5, CSS3, JavaScript, jQuery, Bootstrap, JSON
- **Databases & Storage:** SQL Server, MySQL, DB2, Oracle 10g, Azure Table Storage, MongoDB, IndexedDB
- **Frameworks & Platforms:** ASP.NET MVC, Entity Framework, .NET 4.0, LWC, Aura, Web API, Django, Flask
- **Cloud & DevOps:** Azure, AWS, Git, SVN, Bitbucket
- **Testing & Automation:** Selenium, Pytest, Jest
- **CRM & Enterprise Systems:** Salesforce, Microsoft Dynamics CRM

### Work Experience

#### Senior Software Engineer | SITETRACKER – REMOTE | April '21 – Till date

- **Led development of core project management and field operations products**, improving execution efficiency by ~40% through scalable Salesforce ISV architectures.
- **Designed and shipped reusable Lightning Web Components and React-based modules**, accelerating feature development across teams and managed packages.
- **Built a high-performance asynchronous work-queue framework on Salesforce**, enabling computationally intensive processing with a near-synchronous user experience.
- **Drove AI-powered developer productivity initiatives**, including automated PR code review using Claude and AI agents that answer queries from JIRA and Confluence.
- **Established repository workflows, CI rules, and documentation standards**, enabling AI-assisted development tools (Cursor, GitHub Actions) to operate with full codebase context.
- **Acted as technical lead and subject matter expert**, mentoring engineers, reducing technical debt, and delivering large-scale modules with high reliability and test coverage.
- Designed platform capabilities with a **service-oriented mindset**, balancing throughput, consistency, and user experience in high-concurrency environments.
- Supported production systems through **deep debugging, performance analysis, and incident resolution**, collaborating cross-functionally to maintain reliability and customer trust.

**Environment:** Apex, LWC, Salesforce, Triggers, Managed Package, SOQL, ISV, Aura, JSON, XML, Python, Playwright, Javascript, React

#### Senior Solution Developer | Conga (Formerly Known as Apttus) – SAN MATEO, CA | Sept '20 – April '21

- **Architected and delivered enterprise Apttus (Conga) CPQ and CLM solutions on Salesforce**, supporting complex quote-to-cash and contract lifecycle workflows.
- **Designed and implemented integrations across Salesforce, Apttus CPQ/CLM, Microsoft Dynamics CRM, and Azure**, using REST APIs and scalable middleware patterns.
- **Led customer discovery, requirement gathering, LOE estimation, and POCs**, acting as a trusted technical advisor during pre-sales and delivery phases.
- **Optimized data models and system performance** using **SOQL, SQL Server, Apex, and LINQ**, ensuring reliability at enterprise scale.

- **Partnered cross-functionally with sales, product, and engineering teams** to deliver high-quality implementations and resolve complex customer issues.

**Environment:** .Net, C#, Python, XRM SDK, Apex, LINQ, Azure cloud services, Azure Service Fabric, Apttus CLM & CPQ, Microsoft Dynamics CRM, SQL Server, SOQL, Web API, Service workers & Service hooks.

## **Solution Developer | APTTUS – SAN MATEO, CA | AUG '17 – AUG '20**

- **Developed custom plugins, web services, and integration layers** using .NET, C#, XRM SDK, and Web APIs to extend Apttus CPQ and CLM platforms.
- **Built Azure-based processing workflows and background jobs** using Azure Service Fabric, supporting high-volume data synchronization with Microsoft Dynamics CRM.
- **Automated data processing and operational tasks**, reducing manual intervention and improving data accuracy across customer environments.
- **Designed and optimized complex data queries and schemas** using SQL Server, SOQL, and LINQ to support large-scale CPQ/CLM datasets.
- **Supported customer implementations through requirement gathering, LOE estimation, POCs, and production issue resolution.**

**Environment:** .Net, C#, Python, XRM SDK, Apex, LINQ, Azure cloud services, Azure Service Fabric, Apttus CLM & CPQ, Microsoft Dynamics CRM, SQL Server, SOQL, Web API, Service workers & Service hooks.

## **SOFTWARE DEVELOPER | SPECTRUM INC. - SCHAUMBURG, IL | JUN '15 – AUG '17**

- **Built lead generation and capture platforms for the home improvement industry**, contributing to multiple new revenue streams and supporting thousands of inbound leads per month across client campaigns.
- **Designed and developed an in-house CRM system** using .NET, Python, and SQL, centralizing lead data and reducing sales follow-up time by ~50%.
- **Integrated internal platforms with Salesforce CRM**, enabling real-time lead synchronization and improving client response times from hours to minutes.
- **Implemented geo-based vendor review maps** to showcase completed jobs by area, increasing customer trust and improving lead-to-conversion rates by ~20%.
- **Built real-time communication workflows using Twilio APIs and OpenTok**, enabling SMS, voice, and video interactions across web, Android, and iOS platforms.

**Environment:** ASP.NET MVC, Apex, Entity Framework 6, LINQ, Python, Azure cloud services, Azure table storage, SQL Server, Web API, WebRTC, Python, Service workers, iOS, and Android.

## **RESEARCH ASSISTANT | CENTER FOR GOVT. STUDIES – DEKALB, IL | JUN '14 – MAY '15**

- **Developed and deployed a centralized enterprise zone application** using ASP.NET MVC, Entity Framework, LINQ, and SQL Server, streamlining state-level processes and improving data management efficiency.
- **Published and visualized state data** for public access through interactive dashboards (Highcharts), enhancing accessibility and usability for businesses and citizens.
- **Collaborated with state agencies to integrate multiple datasets and ensure accurate, scalable, and maintainable solutions, laying the foundation for later enterprise-scale and cloud-based engineering roles.**

**Environment:** ASP.NET MVC 4, Entity Framework 6, LINQ, Windows Server 2012, SQL Server, Highcharts.

## **Web Developer | XL Academics | August 2013 – MAY 2014**

- Developed and maintained applications for FFHC an Afro-American father's platform.
- Implemented chat and spend analyzer tools on the platform.

**Environment:** Python, Flask, HTML, CSS, JavaScript, JQuery, JSON, AJAX, MySQL database.

## **Projects**

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**LinkedIn Easy Apply Automation ([Link](#)):** **Technologies** – Python, Selenium Web Driver, BeautifulSoup

- Developed an application that targets the easy apply option in LinkedIn to apply jobs based on the inputs provided.

**Bucket List Application ([Link](#)):** **Technologies** – Python, Flask, MySQL

- An application that allows the user to maintain a bucket list, comment and share lists of other's list as well.

**In-Person Lead Capture ([Blog post](#)):** **Technologies** – ASP.Net, MVC, Azure, Service Workers, Indexed DB, Offline caching

- An application that allows remodelers to collect leads at home shows irrespective of the network connectivity.

**Past Projects ([Sample Link](#)):** **Technologies** – ASP.Net, MVC, Azure, Google Maps, Marker Cluster API, SQL

- An application that showcases the past work of our remodeler clients on map using Google Maps API.

**Visual Quoter ([Blog post](#)):** **Technologies** – ASP.Net, MVC, Azure, WebRTC, Obj-C, Java

- Developed a video calling application for movers that allows them to provide accurate quotes to their clients over a video call.