

SUMMARY

- **9+ years of experience building scalable software systems, enterprise integrations, cloud-native applications, and B2B/B2C platform solutions** across e-commerce, retail supply chain, commerce media/AdTech, fintech, web, native mobile (iOS/Android), and distributed platforms.
- Strong expertise in **full-stack development, backend services, APIs, microservices, and system design** with a focus on scalability, performance, reliability, and enterprise integration workflows.
- Designed and implemented enterprise **API/SDK integrations, retailer/customer onboarding workflows, and third-party platform integrations**, reducing onboarding time by 40% and accelerating production deployments through automation and reusable frameworks.
- **Hands-on experience developing native mobile (iOS and Android) applications** integrated with secure backend services, cloud infrastructure, retail workflows, and customer-facing enterprise platforms.
- Proficient in **AWS, Azure, and GCP**, building scalable and secure applications using **microservices, serverless technologies, distributed systems architecture, and enterprise integration patterns**.
- Improved production stability and system performance by leading debugging, incident resolution, monitoring, and backend optimization efforts, achieving 99.9%+ uptime across enterprise and customer-facing platforms.
- Built **automation workflows and Python-based tooling that reduced manual operational effort** by 50% and improved engineering efficiency, onboarding processes, and operational scalability.
- Strong understanding of **API security, OAuth, JWT authentication, compliance, mTLS**, and enterprise-grade application security practices for enterprise and third-party integrations.
- Collaborated **cross-functionally with product managers, engineering, analytics, sales, designers, retailers, customers**, and stakeholders to refine requirements, drive architecture decisions, and deliver scalable enterprise solutions.
- Participated in **RFCs, POCs, and SaaS/PaaS/IaaS evaluations** to support engineering, integration, customer onboarding, and business objectives across enterprise technology ecosystems.
- Developed **AI-powered applications and RAG platforms using LLMs, agents, vector retrieval, and cloud-native architectures** to support intelligent automation and enterprise workflows.
- **Mentored teams, contributed to coding standards and SDLC processes**, and coordinated cross-functional delivery to ensure successful project execution and scalable platform implementations.

TOOLS AND TECHNOLOGIES

- **Programming Languages:** Python, Swift, SwiftUI, Kotlin, Java, JavaScript, TypeScript, Objective-C, XSLT
- **Frontend & Web Technologies:** HTML5, CSS3, React, Node.js
- **Cloud & Infrastructure:** AWS (S3, API, Route53, CM, IAM, WAF, EC2, Lambda, SQS, Cognito, Cloudfront, Bedrock), Azure, GCP, Docker, Kafka
- **Backend & APIs:** FastAPI, REST APIs, WebSockets, JWT, PKI, mTLS
- **Databases:** Postgres, SQL, NoSQL, Graph, document stores and search indices.
- **AI/LLM Technologies:** GPT-based models, Llama, Claude, Agentic, RAG architectures, AI agents, model optimization, secure AI workflows
- **DevOps & Monitoring:** Git, GitHub, GitLab, Datadog, Postman, Swagger
- **Tools & Platforms:** Xcode, Android Studio, VS Code, Wireshark, Burp Suite, Zapier, Replit
- **Collaboration & Productivity:** Jira, Confluence, Miro, Figma, Lucidchart, Microsoft Office Suite
- **Domains:** FinTech, AgriTech, AdTech, Supply Chain, Commerce Media, MarTech, E-commerce, SaaS Integrations
- **Operating Systems:** macOS, Ubuntu, Windows, Kali Linux, Raspberry Pi OS

- **Additional Skills:** System design, partner onboarding, technical documentation, implementation playbooks, Agile/Scrum, stakeholder management, executive presentations

WORK EXPERIENCE

Cardlytics

August 2024 – October 2025

Senior Technical Integration Consultant

- Led **enterprise partner onboarding and complex Web/Mobile integrations** using REST/SOAP APIs, SDKs, Python services, and cloud-native AWS/Azure architectures. Collaborated cross-functionally with Sales, Product, Analytics, and Engineering teams **to deliver scalable adTech and fintech integrations, automate ETL validation workflows**, and create technical documentation and deployment playbooks. Served **as a trusted technical advisor and hybrid Technical Account Manager**, supporting production systems, managing escalations, and driving customer growth through strategic product and integration alignment.

Proagrica

Jan 2019 – Mar 2024

Software Engineer 2(Mobile Engineer – iOS and Android)

- Led end-to-end development of enterprise iOS and Android applications integrated with external APIs, delivering scalable **B2B/B2C agriculture supply chain and retail workflow solutions**. Served as an Integration Engineer and Technical Account Manager, **leading API integrations, onboarding initiatives, and automation workflows** using XSLT/XML/EDI/JSON transformations through Interlock Adaptris. Collaborated with Product, QA, Engineering, and business stakeholders to build geospatial and supply chain-driven applications, technical documentation, and scalable enterprise integration architectures.

Data Integration Engineer

- Served as an **Integration Engineer & Technical Account Manager**, leading API integrations for Ag supply chain applications. Designed and automated XSLT transforms (XML, EDI, JSON) using Interlock Adaptris, built B2B/B2C apps with geospatial data, and delivered documentation, flowcharts, and client presentations to drive scalable, reliable integrations.

Kennesaw State University – Security Privacy and Advanced Computing Laboratory (SPACL) Aug 2016 – July 2018

Graduate Research Assistant

- Researched malware detection in encrypted SSL/TLS traffic and developed **a secure SCADA model using Raspberry Pi with DNP3 protocol** to simulate and mitigate cyberattacks. Implemented secure communication protocols and served as a reviewer for COCOA 2017.

Beezas IT Solutions Pvt. Ltd.

Web and Mobile Application Developer

June 2014 - May 2016

- Developed customer-facing web and client/server applications using HTML5, CSS3, Bootstrap, AngularJS, Java, and SQL for **e-commerce and enterprise solutions**. Led requirement gathering, workflow analysis, and solution design for the SabRentKaro rental e-commerce Android application, integrating REST APIs and scalable backend workflows. Supported application stability, performance optimization, testing, debugging, and production support to ensure reliable user experiences and platform scalability.

EDUCATION

- **Master of Science in Computer Science**, Kennesaw State University, Marietta, GA
Research topics: Cyber Security (Machine Learning, Critical Infrastructure Security, Applied Cryptography)
- **Bachelor of Technology in Information Technology**, Gitam University, India

RESEARCH PAPERS

- **Uday Bhaskar Boyanapalli**, Implementation of Secure DNP3 Architecture of SCADA System for Smart Grids
- **Uday Bhaskar Boyanapalli**, Fast and Accurate Machine Learning-based Malware Detection via RC4 Cipher text Analysis

AWARDS and HONORS

Best Graduate Research Project

Nov 30, 2017

- Won the best graduate research project at Kennesaw State University (KSU) CCSE Computing & Showcase (C-Day) Event for a project entitled "**Enhancing Security in SCADA Protocol – DNP3 in Smart Grids**".
- **Dean's 4.0 Club**