

# Sai Durga Prasad Gudla

Software & Security Engineer | U.S. Patent Inventor | Certified AWS Cloud Architect | AI Engineering

As a Software & Security Engineer at JPMorgan Chase & Co., I thrive on building solutions that are both innovative and secure. My foundation includes an MS in Computer Science, certification as an AWS Certified Solutions Architect – Associate, and the honor of being named a U.S. Patent Inventor (US12061610B1, from work developed at Elevance Health/Anthem Inc.). My commitment to continuous learning drives my current pursuit of a Diploma in AI Engineering.

## US Patents & Certifications

2024-08 **US Patent - Granted**  
*USPTO - US Patent & Trademark Office*  
<https://patents.google.com/patent/US12061610B1/en?q=US+12%2c061%2c610+B1>

**AWS Certified Solutions Architect - Associate**  
*Amazon Web Services*

## Work History

2022-09 - present **Software Engineer, Associate**  
*JP Morgan Chase & Co, Plano, TX*

- Designed and implemented robust security controls within AWS cloud environments, leveraging Infrastructure as Code (Terraform) to automate policy enforcement and ensure compliance.
- Developed and maintained secure backend services and APIs using Java/Spring Boot, embedding security best practices throughout the software development lifecycle.
- Architected and built scalable, secure event-driven applications utilizing AWS services including Lambda, Kinesis, and ECS to meet critical business requirements.
- Created Python automation jobs for security operations tasks, significantly improving efficiency and reducing manual workloads for threat monitoring and response.
- Integrated automated security scanning and vulnerability detection into CI/CD pipelines (Jenkins) to identify and mitigate risks early and enable secure, frequent deployments.
- Collaborated cross-functionally with development, operations, and compliance teams to champion DevSecOps principles and enhance the overall security posture across projects.

2021-07 - present **Senior Software Engineer**  
*Goodleap LLC, Dallas, TX*

- Leading in design, develop, testing and maintaining large scale extensive cloud native applications. Design and implement highly performant RESTful and/or GraphQL APIs and data processing pipelines for mobile, web and 3rd party integrations

## Contact Information


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## Strengths


Cloud Architecture - AWS 


Artificial Intelligence - LLM Models 


Python 


Spring Framework 

NodeJS - Typescript 

GraphQL & REST API's 

NoSQL Database 

Event Driven Architecture 

DevOps 

## Technical Skills

NodeJS - Typescript & Javascript

Python Programming

REST API's - ExpressJS & HapiJS

GraphQL - Apollo Framework

MongoDB & DynamoDB

ReactJS - NextJS

Linux Command Knowledge

Apache Kafka & Spark

- Technologies: AWS Services (Lambda, EC2, Cognito, DynamoDB, SSM's, Secrets Manager etc.), NodeJS, Typescript, Datadog, Apollo GraphQL

**Developer API Platform:** Architecting and Leading a product pillar of the company, a REST based API platform for creating and managing loan process for Goodleap. Includes Event based architecture and extensive cloud native application.

**Enterprise Graph:** Building and Managing an event based GraphQL application, serving as an enterprise graph with monolithic architecture, containerized and cloud native application.

## Software Engineer III

*Anthem Inc, Digital Foundry & Innovation Team, Mason, OH*

Discover, Conceptualize & Build innovative digital products for Anthem, researching for any white space opportunities never built before.

**Technology:** AWS EC2 & S3, NodeJS, MongoDB, GraphQL, Python

**Digital Wallet Implementation:** Architected & Developed a digital wallet solution for Anthem by working beyond duties, solving an enterprise obstacle. Subject Matter Expert on Apple Wallet Pass & Google Pay.

**Award: Values in Action Award by Anthem CTO.**

**Care Recommendations Project:** Built a GraphQL driven API layer for a product modelled by data science, used for suggesting procedures & care for eligible Anthem members. SME on GraphQL with Apollo GraphQL Framework.

**Social Media Developer Integration:** Built a product that connects social media and messaging channels developer API's & SDK's to understand & analyze member sentiments, building a unified communication for multiple social media channels including Facebook, Twitter and Business Chats

**Enterprise Smart Data Analytics & Visualization Product:** Architected and developed an enterprise app visualizing smart insights & driven by data to visualize an eagle view of enterprise data and analytics. Used by Business Stakeholders, Customer Support & Digital Associates. Also supports leadership for making decisions based on Digital Adoption and Marketing.

**Awards: Impact Award for Product Architecture.**

## Software Engineer II (January 2017 - April 2020)

### Digital ID Cards

Developed a large backend application controlling the flow of healthcare ID cards in Anthem. Application includes file processing, transfers, data loading, RESTful API's (Microservices).

Learnings & Accomplishments included but not limited to

- Building backend web applications, Microservices and RESTful API's deployed in Docker & AWS using NodeJS, Express and MongoDB.
- Authorizing and Authenticating services (REST/SOAP) with IBM Datapower and Apigee by Google.
- Aids graphic designers and other web team members to better understand and apply the right marketing focused content.
- Working on IBM Data Power, and APIGEE with a handful learning of languages of XML Data and Technologies (XML, XSLT, WSDL, JSON,

HTML5, CSS & Bootstrap

XML, XSLT & JSON

MySQL & Oracle10g

## Software Tools & Technologies

AWS Services - EC2, Lambda, DynamoDB, Cognito, S3

DevOps tools - Bitbucket, Bamboo, AWS Code pipeline, SEED, Vercel, Github Actions

Apollo Framework for GraphQL Services

SOAPUI & Postman for App Testing

API Security Gateways - IBM Datapower and APIGEE

Sketch, Zeplin & Abstract for UX

Documentation, Tracking in Confluence & JIRA

WordPress for CMS Web Apps

Altova XMLSpy

Sony Vegas Pro & Adobe Premiere For Video Editing

2016-08  
- 2021-07

SOAPUI, WTX) including Linux Shell.

- Using the Service-Now portal for IT Service desk of the organization.
- Conducted benchmark tests for the applications and actively participated in the Quality Assurance process of development.

2013-02

### **Web Developer & Co- Founder**

- 2015-03

*Hmdcubes, Vishakhpatnam*

- Primary Responsibilities include Training, Mobile and Desktop Application Development in Windows Platform, Website Development and Programming, Graphic Designing and Video Editing.
- Built more than five websites for major businesses using Content Management System, Angular, HTML 5 & CSS.
- Poster Designing and Video Editing of organized workshops.

## **Education**

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2024-05

### **Artificial intelligence, Master's Diploma**

- present

*Openclassrooms*

2015-08

### **Computer Science, Master's In Science (MS)**

- 2016-12

*California State University, Fullerton*

2011-07

### **Information Technology, Bachelor's in Technology**

- 2015-04

*GITAM Institute of Technology, Visakhapatnam*

## **Involvements & Projects**

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2013-08

### *Enterprise Products & Small-Scale ERP Apps*

- 2021-07

- Setup, Design and developing Digital Products & websites for small scale businesses.
- Developed one ERP Application for a coal-based distribution company to manage and operate using a full stack web application.
- Email & Website Setup for more than 3 organizations.

**Tech:** Angular, MySQL, NodeJS, HTML 5, CSS & Bootstrap, WordPress.

## **Achievements & Leadership**

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- 2021-07

- Organized and Attended TEDx (College TED Talks).
- Public Speaker in Info Security Workshops
- Member of Computer Society of India, and recognized for Personality Development Speech.
- Attended Workshops & got trained in Android Application Development, Information Security and Programming and Logic Development.
- Awarded for Film Making and Photography for a Short Film 'April', in Silver screens event at College Fest.