

HemaSundar Tatipudi

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SUMMARY

Software Engineer with more than 3 years of hands-on delivery across back-end, front-end, and cloud-native applications. Proficient in designing and implementing end-to-end solutions using Java, Python, JavaScript/TypeScript, and modern frameworks (Spring Boot, React.js, Angular). Skilled at architecting RESTful APIs, optimizing databases (SQL/NoSQL), and automating CI/CD pipelines on AWS and Azure. Adept in full-stack development from responsive UIs to scalable microservices while collaborating cross-functionally to translate business requirements into robust, maintainable code. Continuous learner with in Computer Science and Salesforce certifications, committed to delivering high-quality, impactful software.

EXPERIENCE

Capgemini

Jan 2021 – Jul 2023

Associate Consultant | Software Engineer – Salesforce Developer

Pune, India

- Progressed from Intern to Senior Analyst to Associate Consultant in a single year for consistently surpassing all performance targets.
- DevOps & Automation: Improved deployment success rate by 80% and reduced deployment time by automating CI/CD pipelines using Azure DevOps, VSTS, and Git, while automating repetitive tasks to reduce turnaround time by 40%.
- Full-Stack Salesforce & Integration: Built custom applications using Apex, Lightning Web Components(LWC), and Visualforce; designed RESTful APIs for third-party integrations; and optimized SOQL/SQL queries for large-dataset performance.
- Performance & Code Quality: Refactored inefficient Apex triggers and batch jobs to reduce execution time by 30%, and developed unit tests with JUnit and the Apex Test Framework to achieve 85%+ code coverage for production deployment.
- Issue Resolution & Support: Troubleshoot and resolved customer-reported issues, improving system reliability and user satisfaction.
- Agile & Cross-Functional Collaboration: Participated in Agile SDLC sprint planning and code reviews, working closely with business analysts and stakeholders to translate requirements into timely, high-quality technical solutions.

BrainWeave

Feb 2019 – Jul 2019

Full-Stack Developer | Intern

Gurgaon, India

- Front-End Development & Optimization: Developed real-time student and parent dashboards in React + TypeScript, integrating personalized learning insights to increase performance, and refactored a legacy Vue.js codebase into a React hooks architecture with Context API, reducing load times by 30% and improving maintainability.
- API Design & Integration: Designed and implemented secure REST and GraphQL APIs for 7,000 + students across 120 NGOs, ensuring efficient, scalable access to educational data.
- DevOps & CI/CD: Developing CI / CD pipelines using GitHub Actions and Azure DevOps, reducing manual deployments by 80% and enforcing code quality.

EDUCATION

University of Utah: MS, Computer Science | GPA: 3.8/4.0

Aug 2023 – May 2025

Lovely Professional University: B.Tech, Computer Science | GPA: 8.82/10.0

Aug 2017 – Jul 2021

PROJECTS

CovidStat Visualizer

- CovidStat Visualizer is an interactive dashboard for exploring COVID-19 cases, deaths, vaccination rates, and government responses across EU/EEA countries, with animated charts and overlays for interventions.
- Users can analyze the effects of vaccination, testing, and government policies on pandemic outcomes, with annotated peaks marking key events.
- The tool offers bar chart comparisons, intervention filters, and embedded screencasts, serving as a resource for policymakers and public health professionals.

StockWave – Dynamic Stock Forecasting

- Ingested and processed large-scale streaming stock data with Apache PySpark, extracting features such as historical prices, moving averages, and volatility metrics for model training.
- Developed and continuously retrained ML and mathematical time series models (LSTM) to predict near-term stock price movements and market trends.
- Built interactive dashboards using data visualization libraries to display forecasts, model performance, and key indicators, empowering investors with actionable insights.

Book Store Web App

- Full-stack e-commerce site with secure JWT authentication, role-based access, and debounced search/filter over 1,000+ titles.
- Designed RESTful APIs and a responsive React UI with an admin dashboard for real-time inventory and order management.

SKILLS

Programming:	Python, Java, C++, C, C#, JavaScript, TypeScript, HTML, CSS, Apex, SOQL, SOSL
Frameworks/ TechStack:	React.js, AngularJS, Next.js, Spring Boot, Redux, Tailwind CSS, Machine Learning, REST APIs, GraphQL, WebSockets, Swagger
Tools/ Others:	Docker, Azure DevOps, CI/CD pipelines, AWS S3, Git, Postman, Linux, MySQL, MongoDB, Redis, Salesforce Workbench, ServiceNow

CERTIFICATION

[Salesforce Certified Administrator](#)

[Salesforce Certified Platform Developer I](#)