

HemaSundar Tatipudi

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Summary

Software Engineer with 2.5+ years' experience in backend, cloud, and Salesforce development. Proven track record of automating CI/CD pipelines (80% faster deployments), integrating scalable APIs, and building robust full-stack web solutions in Python, Java, and JavaScript. Adept at database optimization and cross-functional collaboration to deliver business impact.

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.
- Deployment & DevOps Optimization: Improved deployment success rate by 80% and reduced deployment time by automating CI/CD pipelines using Azure DevOps, VSTS, and Git.
- Automation & Efficiency Gains: Automated repetitive tasks, reducing turnaround time by 40% and enhancing operational efficiency.
- Issue Resolution & Support: Troubleshoot and resolved customer-reported issues, improving system reliability and user satisfaction.
- Full-Stack Salesforce Development: Built custom applications using Apex, Lightning Web Components (LWC), and Visualforce.
- API Development & Integration: Designed RESTful APIs to integrate Salesforce with third-party services, improving data synchronization and process automation.
- Database Management: Optimized SOQL and SQL queries to improve performance in handling large datasets.
- Agile Development & Collaboration: Participated in Agile SDLC, sprint planning, and code reviews, ensuring timely and high-quality project deliveries.
- Testing & Code Quality: Developed unit tests using JUnit and Apex Test Framework, achieving 85%+ code coverage for production deployment.
- Performance Optimization: Refactored inefficient Apex triggers and batch jobs, reducing execution time by 30%.
- Cross-Functional Collaboration: Worked closely with business analysts and stakeholders to translate requirements into technical solutions.

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 (PySpark, HTML, CSS, D3.js, React.js)

- Interactive EU/EEA COVID-19 dashboard with animated charts, hover tooltips and stringency-index overlays for comparing case/death trends.
- Highlighted key events (lockdowns, vaccine rollouts) via annotated peaks to inform public-health decision-making.

StockWave – Dynamic Stock Forecasting (Python, PySpark, TensorFlow, LSTM)

- LSTM-based time-series model with EMA/RSI feature engineering, delivering 15% lower mean error than ARIMA baselines.
- Exposed via a Flask API & React frontend for real-time input, visualization of predictions vs. actuals, and on-demand retraining.

Book Store Web App (Node.js, MongoDB, React)

- 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, HTML, CSS, JavaScript, TypeScript, Apex

Frameworks: Salesforce, Pega, Machine Learning, AngularJS, React.js

Tools/Others: Azure DevOps, Azure CI/CD, Postman, AWS S3, Git, Docker, MySQL, MongoDB, Workbench, ServiceNow

Certifications

☞ [Salesforce Certified Administrator](#)

☞ [Salesforce Certified Platform Developer I](#)