

# Venkateshwaran Sundar

Boston, MA | [venks.mail@gmail.com](mailto:venks.mail@gmail.com) | [Portfolio](#) | [GitHub](#)

## Professional Summary

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Results-driven Software Engineer with 7+ years of experience in commercial insurance, specializing in full SDLC optimization, backend development, and cloud-native solutions. Skilled in delivering scalable microservices, CI/CD pipelines, and innovative design strategies to enhance operational efficiency.

## Skills

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**Languages:** Java, JavaScript, SQL, Python, C++

**Frontend Technologies :** HTML, CSS,Vue.js,React JS, Bootstrap,Ajax,jQuery

**Backend Technologies :** Spring boot, Node.js, Microservices, SOAP, REST, XML,XSLT, Apache Kafka

**Tools/IDE:** Docker, Github, SonarQube, Jenkins, Jira

**Certifications:** AWS Certified Solutions Architect, SAFe Agile practitioner, Machine learning Specialization

## Experience

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**Software Engineer, Aether Innovations – Remote, USA** Sept 2024 – Present

- Developed a Spring Boot application leveraging Llama 3.2 for automated text extraction from PDFs, reducing manual processing time by 40%.
- Designed and deployed a CI/CD pipeline with GitHub Actions, achieving a 60% reduction in deployment times for AWS EKS-hosted applications.

**Application Development Team Lead, Accenture – Pune, India** Feb 2018 – Dec 2021

- Engineered and implemented Spring boot microservices for a suite of Policy admin applications.
- Led an agile development team of 6 to build Property, Workers' Compensation, and Auto lines of business applications using Spring boot.
- Implemented an asynchronous messaging queue using Apache Kafka to trigger report generation jobs, improving job processing efficiency by 35%.
- Conducted code reviews and code merges, and managed deployments to development and test environments

**Software Engineer, Cognizant – Hyderabad, India** Sep 2014 – Feb 2018

- Developed Spring boot underwriting applications for account management and risk evaluation, enhancing efficiency and accuracy of the underwriting process.
- Developed XML stylesheets to consume SOAP responses from third-party integrations, ensuring accurate and efficient data transfer.
- Triaged and resolved over 200 defects, supported 10 successful production releases contributing to 30% increase in users and 12% increase in overall revenue.

## Education

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- **Northeastern University, Boston, MA** – Masters of Science in Artificial Intelligence May 2024
- **Anna University, Chennai, India** – Bachelor's in Electrical and Electronics Engineering May 2014

## Projects

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### Color constancy ([GitHub](#))

- Compared performance of models to predict illumination values for linear and log images.
- Used a lightweight pretrained MobileNetV3 model, compared performance with GoogleNet to determine effectiveness of model to be deployed in edge devices.

### Generative storyteller ([GitHub](#))

- Developed a GPT-powered tool enabling 50% faster story drafting, exploring HCI and AI-assisted workflows.

### Retail Stock Prediction ([GitHub](#))

- Improved inventory accuracy by 20% through predictive modeling and real-time deployment on Google Cloud Platform.
- Built a pipeline using Airflow, performed model versioning using ML Flow, deployed and served model on Google cloud platform.