

ABHILASH PANNALA

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SUMMARY

Software Developer with 2+ years of experience designing, developing, and optimizing enterprise applications. Delivered 3+ major enterprise projects, improved system performance by 30%, and automated workflows to reduce manual effort by 25%. Skilled in Java, Python, JavaScript, full-stack development, microservices, REST APIs, and cloud deployments. Strong problem-solver and effective communicator, thriving in fast-paced, agile environments.

EDUCATION

Illinois Institute of Technology, Chicago, IL	JAN 2024 - DEC 2025
Master's in Information Technology and Management	
Vasavi College of Engineering, Hyderabad, Telangana, India	JULY 2018 – JUNE 2022
Bachelor of Engineering, Information Technology	

SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, C
- **Frameworks & Libraries:** Spring Boot, React, React Native, Node.js, Django, FastAPI, Bootstrap
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **API Technologies:** REST, GraphQL, HTML, CSS
- **Cloud & DevOps:** Google Cloud Platform (GCP), AWS, Docker
- **Testing & Tools:** Selenium, Cucumber, Gatling, BlazeMeter, JUnit
- **Other:** Data Structures & Algorithms, Microservices, Product Development, Proficient in MS Office/Google Suites

WORK EXPERIENCE

SOFTWARE ENGINEER

NCR Voyix, Hyderabad, Telangana, India JULY 2022 – DEC 2023

- Engineered a multitenant customer loyalty solution, enabling real-time offer evaluation, discounts, coupon issuance, and loyalty point accumulation at POS using Spring Boot, Node.js, GCP, SQL, and NoSQL.
- Refactored Java microservices, improving Sonar coverage from 85% to 92% and strengthening reliability through 100+ new unit and integration tests.
- Optimized system performance by conducting load and stress testing with Gatling and BlazeMeter, reducing response times and enhancing scalability.
- Improved front-end stability by diagnosing and resolving critical UI defects, leveraging automated Selenium testing and code corrections.
- Implemented robust validation logic across services to maintain data integrity and prevent transactional errors.
- Authored comprehensive technical documentation and contributed to strategic planning sessions to ensure alignment of features with evolving business objectives.

SOFTWARE INTERN

NCR Voyix, Hyderabad, Telangana, India JAN 2022 - JUN 2022

- Completed structured training in C++ (Qt) and Java (Spring Boot), applying BDD methodologies to develop promotional features and improve code quality through testing and debugging.
- Contributed to REST API integration and cloud-based deployments on GCP, gaining practical experience in microservices, Agile practices, and enterprise-scale application delivery.

PROJECTS

HikeHub | Full-Stack Web Application

- Developed a campground discovery and review platform with **Node.js, Express.js, MongoDB, and Mongoose**, featuring CRUD operations, user authentication, and role-based authorization.
- Integrated **Cloudinary** for secure image uploads and **Mapbox** for geolocation/maps; deployed with cloud database integration and applied security best practices (XSS, SQL injection prevention).

BookApp | Online Book Management Platform

- Built a responsive book management application using **FastAPI, Jinja2, SQLite, and Bootstrap**, deployed on **Railway**.
- Integrated **Google Books API** and **NYT Books API** to provide trending titles, search functionality, and personalized features such as authentication, favorites, and custom shelves.

Spotlight | Social Media Mobile App

- Created a cross-platform mobile app with **React Native, Expo, and Convex** supporting real-time interactions across iOS/Android.
- Implemented authentication (Clerk with Google login), profiles, notifications, social features (likes, comments, follows), and media uploads with **JavaScript/TypeScript** and optimized performance using modern mobile development practices.

CERTIFICATIONS

The Web Developer Bootcamp (Udemy) | Programming, Data Structures and Algorithms Using Python (Udemy) | Introduction to Data Science in Python (Coursera)