PRATHAPA BELLI

Mahadevpura, Bengaluru • +91 9739334635 • prathapmprathu@gmail.com
https://www.linkedin.com/in/prathap-m-belli-8b0102132

SUMMARY

Results-driven Software Engineer with 6 years of experience designing and developing backend systems, data pipelines, and API-driven platforms across healthcare and hospitality domains. Skilled in Python, FastAPI, PySpark, and data transformation with a strong understanding of system integration and data interoperability. Passionate about delivering efficient, scalable, and secure software solutions.

WORK EXPERIENCE

Senior Software Engineer - 314e Corporation   Present

- Designed and developed APIs using FastAPI for Jeeves, a training platform for video and PDF content.
- Engineered video and data processing using Temporal, FFmpeg, and integrated AI models.
- Managed authentication with Keycloak and implemented user notifications via Novu.
- Built intelligent search capabilities using Vespa and maintained robust PostgreSQL databases

Data Engineer - Healthcare Data Conversion

- Transformed HL7 V2 healthcare data to FHIR and CCD formats using PySpark and data lakes.
- Created and optimized data workflows using XML/XSLT for clinical documentation and reporting.
- Ensured interoperability of healthcare data through robust ETL pipelines.

Integration Developer - Healthcare Interface

- Developed solutions with Cloverleaf Interface Engine to transform and route medical data.
- Maintained compliance with FHIR and CCD standards, enabling seamless data exchange between systems.

Backend Developer - Hotelsoft Rate Optimizer

- Developed pricing logic, data transformations, and backend services using Python and Pandas.
- Implemented FastAPI endpoints for processing and managing hotel rate data.

Application Developer - Hotel Data Integration

- Built Java-based applications using Spring Boot and Apache Camel for hotel data normalization.
- Focused on converting large volumes of XML/XSLT data to standard formats for downstream use

Backend Developer - Roster Solver

- Contributed to backend services using Quarkus and Java for workforce scheduling solutions.
- Enhanced application performance and reliability through service integration and backend support.

TECHNICAL SKILLS

- Python
- FastAPI
- PostgreSQL
- PySpark
- Git actions
- Keycloak
- Novu
- Vespa
- Temporal
- FFmpeg
- AI Models
- Kubernetes
- S3 storage

EDUCATION

Master of Computer Applications (MCA)   **Sep 2016 - Oct 2018**

New Horizon College of Engineering

ADDITIONAL INFORMATION

- **Languages:** English, Kannada
- **Certifications:** Intermediate & Advanced Certification - Cloverleaf Product
- **Awards/Activities:** Second Place - Company Hackathon: Built AI-powered voice assistant, translation, and summarization features. VTU University Inter-College Kabaddi Tournament: Led the team as the only MCA student among engineering students