

W. A. NISINI NIKETHA

Software Engineer

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SUMMARY

Software Engineer with 2+ years of experience progressing from Intern to Associate. Skilled in full-stack development and building AI-powered chat platforms using Spring Boot, FastAPI, LangChain, OpenAI, React, and Vue.js. Proficient in microservices architecture with Docker, Kafka, and MySQL. Holds a First-Class Honours B.Eng. in Software Engineering and eager to contribute to a dynamic team.

WORK EXPERIENCE

Associate Software Engineer – Petvisor Holdings LLC, USA

July 2024 – August 2025

- Served as a key contributor to Vetstoria Chat, a real-time omni-channel communication platform connecting clinics and pet parents via web chat, SMS, and WhatsApp.
- Engineered full-stack solutions, developing AI-driven features with FastAPI and LangChain, while building user-friendly, responsive interfaces with React.
- Managed key infrastructure, including working with MySQL databases, implementing Redis for temporary AI response caching, managing CI/CD pipelines using Jenkins for automated builds and deployments to AWS.
- Set up dev containers for consistent local development and managed Docker containers to improve the deployment workflow.
- Boosted the performance of chat model by adding security filters for malicious input and prompt injection attacks.

Intern Software Engineer – Vetstoria, UK (Acquired by Petvisor in 2023)

June 2022 – July 2023

- Contributed to key development initiatives as an intern, and gained hands-on full-stack and microservices experience, working with Spring Boot, Vue.js, MySQL and Docker.
- Resolved software bugs to improve stability within applications and implemented new features as part of the development lifecycle.
- Collaborated within an agile setting, with JIRA for task management and sprint tracking.
- Managed version control using Bitbucket and performed API testing and validation with Postman.

ACADEMIC QUALIFICATIONS

Software Engineering and Management Masters Programme, Gothenburg University (Sweden)

Sep 2025 – June 2027

BEng (Hons) Software Engineering, University of Westminster (UK)

Sep 2020 – June 2024

- Awarded First Class Honors
- Key projects:

- Audio Craft – GenAI Audio Script Production System
- TechHub – Q&A Knowledge Sharing Web Application

Certificate in International English Language Testing System (IELTS), Cambridge University

2024

TECHNICAL SKILLS

- Programming:** Python, Java, JavaScript, PHP, Bash, HTML and CSS
- Front-end Frameworks:** React, Angular, Vue, CodeIgniter and Backbone.JS
- Back-end Frameworks:** Spring Boot, FastApi, Flask, Django and LangChain
- Database:** SQL, Redis
- Digital Skills:** Docker, OpenAI
- Tools:** MySQL workbench, Postman, Canva, Figma, JIRA, Bitbucket, GitHub, PyCharm