Alpeche Pancha
Software Developer

Address: Lewisham, London, SE13 7NZ
Phone: (+44) 7522750714
Email: phixyn@gmail.com
Website: https://phixyn.com | GitHub: github.com/Phixyn | LinkedIn: linkedin.com/in/alpechepancha

Software Developer with 8 years of experience in the software industry. I currently specialize in Node.js and Python back-end development. I have previous experience working on front-end, mobile apps, desktop apps and video games. I also have experience with Docker and Kubernetes. I am currently working on multiple personal projects and learning Vue.js 3 and TypeScript. I am a self-motivated and fast learner, and I can adapt to existing tech stacks with ease.

During my career, I have worked on highly complex and bespoke projects for clients all over the world in different industries. I am looking to join a team of like-minded individuals, where code quality and best practices matter.

WORK EXPERIENCE

Senior Software Engineer | Bryden Wood | London, UK | January 2022 – Present

Took ownership of new and existing microservices. Developed new REST APIs and automation services, and expanded existing services.

- Developed new microservices in Node.js for data CRUD operations, data processing and automation services. Actively maintained and exhanced existing microservices.
- Maintained and extended a Python API using Flask.
- Set up new environments and infrastructure in GCP and AWS.
- Contributed to Vue.js 3 projects by integrating authentication with AWS Cognito.
- Integrated Autodesk Forge Viewer into an existing Angular application.
- Improved development process and experience with new design patterns and guidelines.

Full Stack Developer | Bryden Wood | London, UK | March 2021 – January 2022

Developed web-based design automation projects for the AEC industry. Supported the front-end team with new microservices, automated E2E tests using Cypress and the introduction of nightly, staging and production environments.

- Proposed, presented and implemented ideas for improved development and testing processes, as described above.
- Extended and developed microservices to integrate with third-party platforms such as Autodesk Platform Services, BIM 360, Asite and Google APIs.
- Improved logging in microservices and improved monitoring within GCP and AWS by introducing alerts and notifications.

Backend Developer | Coderus | Suffolk, UK | April 2020 – August 2020

Extended and maintained Python microservices for a real-time data streaming and visualization project. Developed backend services for undisclosed internal SaaS project.

- Developed in Python for multiple microservices using: asyncio, websockets, message queues (RabbitMQ and Kafka) and MongoDB.
- Developed in Kotlin for undisclosed project using: ktor, Exposed, Sqlite, MongoDB and RabbitMQ.
- Regularly monitored service performance and logs for multiple backend services. Profiled and worked on optimization of service performance.

Test Engineer | Coderus | Suffolk, UK | October 2018 – April 2020

Planned and implemented the strategy, methodologies and tools for test automation of mobile apps and firmware.

- Developed a Python testing framework for firmware testing. The framework supported Gherkin tests and ran tests against firmware running on a USB-connected HID.
- Implemented UI tests for iOS and Android natively, using XCTest and Espresso respectively. The tests were written in Swift and Kotlin, respectively.
- Maintained in-house test tools written in Node.js and Python.
- Developed and maintained shell and Python scripts, tools and CI pipelines for the QA team.

RELEVANT SKILLS

Node.js; Python; Vue.js; MongoDB; SQL; Docker; Kubernetes; AWS EB + EC2; GCP GKE and GCP Cloud Run; Git

EDUCATION

BSc Computer Games Programming | University of Suffolk | Class II (Division 1) | 2016 – 2020

Diploma of Higher Education – Computer Science | University of Essex | 2013 – 2015

BTEC National Diploma IT Practitioners | Newham Sixth Form College | 2009 – 2011

PROJECTS

Personal Website | Gridsome (Vue.js) | GitHub | 2019 – Present

A personal portfolio website and blog made with Gridsome, a static-site generation framework for Vue.js. Backed by the Strapi headless CMS, with MongoDB and GraphQL.

No BS YouTube Looper | JavaScript | GitHub | 2020 – Present

A mobile-friendly website that loops YouTube videos. It can loop an entire video or a portion of it. Easy to use, no distractions.

mwiki – Personal Wiki | VuePress (Vue.js) | GitHub | 2019 – Present

A simple wiki to store and manage my knowledge about various topics. Built with VuePress, a Vue-powered static site generator.

INTERESTS

Gaming, electronics, tech, learning languages and travelling.