Berin Aniesh

Software Engineer

16/194, Aniesh Nivas, EMS Street, Kankarai, Thiruvattar, Tamil Nadu - 629177, India.

(+91) 82-4859-2606 | berinaniesh@gmail.com | berinaniesh.xyz | berinaniesh | berinaniesh

Summary

- 5+ years of experience building and maintaining production grade systems across web and applied machine learning.
- Led and delivered 15+ end-to-end production projects, owning the full lifecycle from design and development to deployment and long term maintenance.
- Experienced in web development, applied machine learning, and software engineering best practices for building scalable software systems.

Work Experience

Kenfra

Marthandam, Tamil Nadu

Software Engineer / Team Lead — *Sep. 2022 - Present*

- Led ML and application development initiatives, mentoring junior engineers, reviewing code, and driving system design and delivery timelines.
- Designed, built, and deployed multiple production grade ML and AI systems, owning the full lifecycle from data pipelines and model training to Linux based, self-hosted production environments.
- Worked directly with clients to gather requirements, define workflows, and translate business needs into technical solutions.

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Worldwide

Founder and Lead Engineer — *Sep. 2023 - Present*

- Designed and built a production grade, fullstack web platform end to end, owning architecture, development, deployment, and operations.
- Implemented a high-performance backend using Rust and Actix Web, and a modern frontend using SvelteKit and JavaScript.
- Provisioned and managed Linux based infrastructure for frontend, backend, and databases; deployed the full stack behind Nginx reverse proxy and load balancer.
- Designed CI/CD pipelines for automated testing and deployment across frontend and backend services.
- Implemented analytics and growth tooling (Google Analytics, Tag Manager) and optimized the platform for SEO and performance.
- Currently leading a major architectural rewrite using Next.js, Bun.js, Go, and Rust, with services deployed on Kubernetes to improve scalability, isolation, and long term maintainability (deployed here).

Pepcoding Ltd.

Noida, Uttar Pradesh

Product Engineer — *Sep. 2021 - Apr. 2022*

- Administered and maintained Linux servers on AWS, supporting the nados.io platform and meeting a 99.9% uptime SLA through monitoring, incident response, and routine maintenance.
- Delivered instruction to a cohort of 30 students in Data Structures & Algorithms and Database Management Systems, combining theory with hands on problem solving.

Skills

Programming	Python, Rust, Go, Java, C#, JavaScript, Dart
Frameworks	React, NextJS, SvelteKit, Tailwind CSS, FastAPI, Flutter, Node.js
Systems, Cloud and DevOps	Linux, Bash, Kubernetes, AWS, GCP, Nginx, Docker, Kubernetes, Jenkins, ArgoCD, Harbor, WireGuard
Machine Learning and AI	Pytorch, Tensorflow, CNNs, U-Net (Example), GANs (Example), YOLO, Transformers, LLMs
Databases	PostgreSQL, MySQL/MariaDB, Redis, MongoDB
Build & Tooling	Gradle, Meson, CMake
Simulations	OpenMC (Monte Carlo), GEANT4, OpenFOAM, Ansys Fluent, Ansys MAPDL, Comsol MultiPhysics

Education

Pandit Deendayal Energy University

Gandhinagar, Gujarat

M.Tech in Nuclear Science and Technology — *Sep. 2019 - Aug. 2021*

- Specialized in neutronics and Monte Carlo simulations; graduated with a GPA of 9.0/10.
- Developed a simulation to estimate heat flux in a CANDU reactor, achieving results within 10% of experimental data

MEPCO Schlenk Engineering College, Anna University

Sivakasi, Tamil Nadu

B.E in Mechanical Engineering — *Aug. 2014 - Apr. 2018*

- Focused on computational fluid dynamics (CFD) and numerical simulations; graduated with a GPA of 8.01/10.
- Completed a CFD project on species transport in gasification reactions, identifying optimal equivalence ratios and validating results experimentally; presented at an international conference (University of Malaya, 2019).