

Erdei Arpad

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Professional Summary

Full Stack & AI Developer with over five years of experience in creating scalable web applications and AI-powered solutions. Proficient in both frontend and backend technologies, machine learning models, and cloud deployment. Passionate about leveraging AI to enhance user experiences and streamline business operations.

Work Experience

Full Stack & AI Developer

Tech Innovators Inc. | San Francisco, CA | Jan 2021 – Present

- Designed and deployed AI-enhanced web applications, increasing user engagement by 30%.
- Built and maintained scalable backend systems using Node.js, Express, and PostgreSQL.
- Developed interactive and responsive frontend interfaces with React and Tailwind CSS.
- Integrated OpenAI and TensorFlow models into applications to improve automation and predictions.
- Optimized cloud deployments with AWS and Docker, reducing server costs by 20%.

Software Engineer

NextGen Solutions | New York, NY | June 2018 – Dec 2020

- Developed and maintained web applications using the MERN stack (MongoDB, Express, React, Node.js).
- Built RESTful APIs to ensure smooth data flow between frontend and backend components.
- Implemented authentication and authorization protocols using JWT and OAuth2.
- Conducted unit testing and optimized performance, cutting application load time by 40%.

Skills

- Programming Languages:** Python, JavaScript, TypeScript, SQL
- Frontend:** React, Next.js, Tailwind CSS, Redux
- Backend:** Node.js, Express, Django, FastAPI
- AI & Machine Learning:** TensorFlow, PyTorch, OpenAI API, Scikit-learn
- Databases:** PostgreSQL, MongoDB, Firebase
- Cloud & DevOps:** AWS, Docker, Kubernetes, CI/CD

Education

Bachelor of Science in Computer Science

University of California, Berkeley | 2018

- Relevant coursework: Machine Learning, Data Structures, Web Development
- Dean’s List (2016–2018)

Certifications & Training

- AWS Certified Solutions Architect** – Amazon Web Services | 2022
- TensorFlow Developer Certificate** – Google | 2021

Projects

AI Chatbot for E-commerce

- Designed an AI-powered chatbot using OpenAI's GPT models to enhance customer interactions, reducing support tickets by 50%.

Automated Image Recognition System

- Developed a deep learning model with TensorFlow to classify images with 95% accuracy, integrating it into a web application.

Volunteer Experience

AI Mentor – Open Source AI Initiative | 2020 – Present

- Mentored junior developers in AI and full-stack development while contributing to open-source projects.

Languages

- English – Fluent
- Spanish – Intermediate

Awards & Achievements

- Winner of AI Hackathon 2022** | Organized by Tech Giants Inc.
- Recognized as “Top AI Developer”** by AI Weekly Magazine