

Clay Kalei Ashby

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Full-Stack Developer | Machine Learning / AI Engineer | Technical Project Manager

Leveraging a strong foundation in software engineering, data science, and user experience, I excel at building teams and deploying robust software solutions. With a proven track record in defining use cases, feature engineering and model development, I am very experienced in management consulting and translating complex business problems into data-driven solutions.

SKILLS

Neural Networks | RNN | CNN | NLP | Pytorch | Scikit-Learn | Tensorflow | Project Management | Agile | Scrum | Object Oriented Programming | Command Line Scripting | Git | Docker | Numpy | Pandas | Big Data | BI & Tableau | HTML | CSS | JavaScript | TypeScript | React | Vue | Next.js | Python | Django | Flask | Ruby on Rails | SQL | NoSQL | GraphQL | AWS | Google Cloud | Azure | Kubernetes | Helm | Terraform | REST APIs | Evaluation Driven Development | CI/CD | Test Driven Development | RAG | LangChain | Llama Index | TextGrad | Weights and Biases

Professional Experience

2012 - Present | Machine Learning / AI Engineer & Software Project Manager

Designed and developed production AI services and scalable machine learning pipelines using TensorFlow, PyTorch and cloud SDKs. Collaborated with cross-functional teams to define user stories, use cases, and translate complex business problems into actionable data-driven solutions. Leverage cloud platforms (AWS, Google Cloud, Azure) and WandB tools for model training, evaluation and deployment. Managed agile development teams and projects, ensuring timely delivery of projects for industry leaders such as soffos.ai and startupdocuments.com.

2009 - 2011 | Software Project Manager | Atlantis Cyberspace, Inc.

ACI developed a cutting edge hardware and software virtual reality training system for the US Army National Guard. The Immersive Group Simulation enables up to 64 people to communicate with each other, interact, drive vehicles and the program interfaces with flight simulators from other vendors. We interviewed stakeholders, studied existing physical systems, performed feasibility studies, produced requirements and developed custom hardware and software solutions that improve the quality of training with measurable results.

<https://vimeo.com/3738508>

2000 - 2008 | Senior Web Developer & Software Project Manager | University of Hawaii

Developed full-stack Web and mobile applications using Oracle, SQL Server, Struts and IBM Web Sphere. Migrated apps to Ruby on Rails and implemented an Oracle data warehouse.

Led a team of designers and developers in building web applications with intuitive user interfaces and a focus on accessibility and security. Developed budgets and project reports, mentored junior team members and performed annual performance reviews.

1990 - 2000 - Sr. Web Developer / Project Manager | Visitor Communications Technologies

Lead UI, UX designer and developer for Hawaii's first digital agency.

Developed CD ROMs, Touch Screen Kiosks and database backed Web applications for clients, such as, Aloha Airlines, Ala Moana Shopping Center, Bess Press, Budget Rent-A-Car, the Hawaii Visitors and Conventions Bureau, Hilton Hotels, Hula Records, Mutual Publishing, Royal Hawaiian Shopping Center and many more. We worked closely with companies in-house staff and advertising agencies to create compelling and innovative digital experiences for their properties, the Web and trade shows.

AI / ML / Cloud Certifications:

2024 - General Assembly - Data Science / Machine Learning

2024 - AWS - Cloud Developer

2023 - AWS & GCP - Cloud Architect

2023 - Google - Agile Project Manager

2022 - Amazon Sagemaker - Machine Learning Engineer

2009 - Oracle Database Administrator (All 5 tests)

Languages: Excellent English, Spanish and Hawaiian. Conversational Japanese and French.

Latest Android App in the Play Store:

<https://play.google.com/store/search?q=icn%20food%20list>

Regular contributor to the Mozilla Developer Network.

Contributor to the Langchain developer site.

<https://developer.mozilla.org>

<https://www.langchain.com/>