Thomas Kudey

Software engineer specializing in building efficient, reliable applications and digital solutions that deliver seamless user experiences.

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Relevant Experience

Jr. Software Engineer · **Atlantic Computing Systems** Dec 2024 – Present

- Enabled clients to boost sales 2–3x and cut bookkeeping time by ~25% by building and deploying 3+ B2B web suites with modern UI/UX, SaaS microservices, and API integrations in collaboration with DevOps teams.
- Ensured scalable, high-quality deployments through QA, debugging, and Agile collaboration (sprints, code reviews, standups).
- Improved automation reliability and uptime by 20% through maintaining back-end integrations and documentation with test-driven development, streamlining cross-team onboarding and collaboration.

Software Engineer, Task Based · **Athletics In Silico** May – Nov 2024

- Built Python scripts to streamline data parsing, reducing prep time and improving processing efficiency.
- Automated Collection and processing on over 1 TB of sensor data monthly, enhancing data reliability for a computer vision model.

Software Engineer Intern · **CoreLogic** Jun – Sep 2023

- Implemented observability in the CoreLogic Digital Gateway, accelerating incident resolution and boosting uptime for tier-1 clients.
- Built a scalable Angular service with TDD, simplifying integration planning with a clean UI for executives.
- Optimized data flows and reduced API response times for clients like Wells Fargo and Chase, improving experience and performance.
- Leveraged Google Cloud tools, including Apigee and Looker, to increase API stability and provide insightful, data-driven reporting.

Software Engineer Intern · **The Brain Institute** Mar 2022 – May 2023

- Worked with researchers to develop back-end VR firmware to reduce error rates, improve data accuracy, and optimize real-time calculations, delivering realistic simulations and reliable data for neuroscience research.

Data Analyst Intern · **Goldsmith Labs** Aug – Sep 2022

- Migrated legacy code to modern languages, improving data processing speed and reliability.
- Analyzed 400M+ NASA SMAP satellite datapoints to uncover environmental patterns.
- Contributed to published research on remote sensing and ecosystem dynamics.

Skills

Programming Languages

C, C++, Java, Python, HTML, CSS, TypeScript, JavaScript, MySQL, Mongo, R, XML

Tools & Platforms

Apigee, Elastic (ELK Stack), Jenkins, UpTrends, Git, GitHub, Docker, Postman, Excel, AWS EC2, Shiny, TDD, API, OpenAI

Recent Projects

LLM Investment Web-Scraper

A stock forecasting model trained by recent news articles web-scrapped from Yahoo Finance.

AWS Shiny ML Model

Real estate machine learning model hosted on AWS EC2 interfaced by Shiny.

Education

Chapman University

Bachelor of Science in Computer Science, Minor of Data Analytics. Fall 2024. President of Kappa Sigma.

Interests

Cars, performance driving, golf, fabrication, virtual reality, programming, leadership, welding