Hayden **Barnett**

LEAD SOFTWARE ENGINEER · PYTHON | JAVASCRIPT

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Work Experience

Luxitag
Houston, TX

SOFTWARE ENGINEER
Jun. 2022 - Present

- Developed a patent-pending SaaS platform for pet tracking, utilizing Python for backend and integrating a custom geolocation API. Implemented machine learning for enhanced accuracy, contributing to a substantial increase in successful pet recoveries year-over-year.
- Automated workflow processes in manufacturing with Python and NumPy, achieving a 25% increase in production efficiency.
- Built a dynamic React-based front-end for a boat dock reservation service, integrated with Django backend, leading to a 15% rise in bookings and improved customer satisfaction.
- Implemented a cloud-based data analytics system using Python and AWS services, enhancing data processing speed by 40% and supporting scalable, real-time data insights.
- Led the development of a fintech payment gateway, integrating Python with blockchain technology, which processed transactions 30% faster than traditional systems.
- Designed and executed a continuous integration/continuous deployment (CI/CD) pipeline using Jenkins and Docker, reducing deployment times by 50% and enhancing code quality.
- Spearheaded the migration of legacy systems to microservices architecture, resulting in increased system reliability and a 20% reduction in maintenance costs.

Westchase Associates
Omaha, NE

TECHNICAL PROJECT MANAGER (CONTRACT)
Oct. 2020 - Jun. 2022

- Led daily scrum team stand-ups, facilitating effective communication and project alignment, resulting in enhanced team productivity and project delivery timelines.
- Collaborated with cross-functional teams in Poland and Mexico, fostering international partnerships and aligning global project goals, which enhanced the project's success and broadened cultural and technical perspectives.
- Spearheaded the development and optimization of a drone inspection software using Python, Django, and React, leading to a 20% increase in inspection efficiency and enhanced accuracy in identifying inspection targets.
- Led team sprints and retrospectives, ensuring project milestones were met and team members were engaged and motivated, and aligned with agile development methodologies.
- Managed the creation of an automated quality control system in a manufacturing setting, employing Python and the OpenCV library.
- Orchestrated the migration of multiple legacy systems to a cloud-based architecture using Python and Docker, enhancing system scalability and reducing server downtime by 35%.

Marqet Group
Houston, TX

SOFTWARE ENGINEER
Mar. 2018 - Oct. 2020

- Developed a specialized CRM system for stone manufacturers using Python and Django, boosting customer retention by effectively managing client interactions and sales leads.
- Built an inventory management tool with Python and SQL, streamlining material tracking and reducing costs, thereby enhancing supply chain efficiency.
- Implemented JavaScript-based data visualization for market trend analysis, aiding manufacturers in developing informed marketing strategies.
- Designed an automated, Python-integrated email marketing platform, linked with the CRM, to personalize outreach and increase campaign effectiveness.
- Developed a mobile application for inventory and sales tracking, improving operational flexibility and user engagement among clients.
- Championed the transition to cloud-based data solutions with Python and SQL, focusing on scalable storage and processing, ensuring data security and high availability.

Merrill Lynch
Houston, TX

FINANCIAL ADVISOR
Jan. 2017 - Jan. 2018

- Conducted in-depth research and analysis of financial portfolios using Merrill Lynch's sophisticated investment tools, effectively tailoring investment strategies to meet individual client objectives and risk preferences.
- Successfully obtained the Series 7 license, showcasing a deep understanding of investment products and securities industry regulations, essential for delivering informed and compliant financial advice.

Manske Wealth Management
Houston, TX

WEALTH MANAGEMENT FALL INTERN
Sep. 2015 - Nov. 2015

- Assisted in the development and implementation of wealth management strategies for high-net-worth clients, gaining hands-on experience in portfolio analysis, asset allocation, and risk management.
- Collaborated closely with senior wealth managers in client meetings and presentations, enhancing communication skills and understanding of client relationship management in the financial services industry.

Skills

Python (Django, Flask, FastAPI, Pandas, PyTorch, TensorFlow); JavaScript (React, Next.js, Vue.js); Node.js; Rust; REST APIs; Git; SQL; Docker

AWS; Azure; GCP; Terraform; Ansible; Jenkins; CI/CD Automation; SQL Databases; NoSQL Databases; Kubernetes; Serverless; Vercel

Projects

Data Aggregation Platform   *2021*
Capitol Market Insights
- Engineered a data aggregation platform that analyzed U.S. Senators' and House Representatives' publicly disclosed stock trades.
- Leveraged predictive analytics to assess officials' market outlooks across various market segments.

AI Financial Risk Assessment Tool   *2023*
Foresight Risk Analytics
- Programmed an AI tool with open-source LLMs to assess and predict financial risks by analyzing economic indicators, company financials, and market sentiments.
- Aided in decision-making for investors and financial analysts.

Education

University of Houston   *Houston, TX*
B.B.A in Finance   *May 2016*
- **Extracurricular:** Investment Banking Scholars Club, Finance Association.

Certificates

2017   **Series 7 - General Securities Representative**, FINRA   *6751616*