James Lee

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Experience

James Lee Consulting Services Oct 2024 – Present

Independent Contractor / Freelance Website Developer *Bethesda, MD*

- Designed, developed, and deployed fully responsive websites for local restaurants, enhancing their online presence and customer engagement
- Built dynamic, user-friendly interfaces using TypeScript, JavaScript, and Angular, ensuring smooth navigation and mobile optimization

Full Stack Software Engineer May 2022 – Oct 2024

ZoomInfo *Bethesda, MD*

- Designed and developed scalable Angular applications handling 500K+ daily active users, optimizing UI performance and reducing load times by 25% using lazy loading, Webpack optimizations, and memoized selectors (NgRx)
- Engineered Node.js/Express-based microservices supporting over 10M API requests/day, improving response times by 40% via query optimizations, caching (Redis), and asynchronous processing.
- Integrated and optimized GraphQL and RESTful APIs, reducing payload sizes by 20% and improving data retrieval speeds across distributed systems.
- Developed and deployed CI/CD pipelines using GitHub Actions and Jenkins, reducing deployment time by 60% and automating testing (Jest, Cypress) to achieve 90%+ test coverage.
- Refactored legacy monolithic codebases into containerized microservices (Docker, Kubernetes), reducing infrastructure costs by 35% on AWS/GCP

Data Analyst June 2021 – Sept. 2021

Cushman & Wakefield (Aric Starck Team) *Carlsbad, CA*

- Developed Python scripts to process and analyze large datasets, identifying key commercial real estate trends to support data-driven decision-making
- Engineered automated data pipelines to extract, transform, and integrate public and proprietary real estate data into a centralized private database, enhancing accessibility and efficiency
- Designed and built a private web application to visualize building ownership data and showcase services offered by the team, improving internal insights and client presentations
- Owned the creation of a 50-page client-facing market and inventory overview, providing high-level commercial real estate purchase recommendations and detailed analysis of sales comps, lease comps, market trends, and area overviews

Software Engineer Intern June 2017 – Aug. 2019

Beanbag Inc. *Palo Alto, CA*

- Contributed to the development and enhancement of Review Board, an open-source code review tool, by fixing bugs, optimizing performance, and implementing new features using Python, Django, and JavaScript
- Designed and wrote unit and integration tests, increasing test coverage and ensuring reliability of key features
- Collaborated with senior engineers to improve code review workflows, enhancing usability and efficiency for developers

Projects

PRTFL | *Python, Express.js, Node.js, React, PostgreSQL, React Native, Docker* June 2024 – Present

- Developing a full-stack platform enabling users to create personalized portfolio websites
- Implementing an AI-powered OCR model in Python with NLP techniques to extract and process resume data, enabling automated form autofill for the resume section of user portfolios

Covid Risk Detection | *Python, YoloV4* — Code March 2021 – June 2021

- Developed a YOLOv4-based data collection system, compiling a 3,000+ image dataset from 20+ hours of CCTV footage for face mask detection
- Trained a TensorFlow computer vision model using transfer learning to detect face masks with 91% accuracy
- Engineered a multi-object tracking algorithm using Euclidean distance for re-identification, optimizing processing speed

Education

San Diego State University San Diego, CA
Bachelor of Science in Computer Science *May 2022*

Technical Skills

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, TypeScript
Frameworks: Angular, React, Node.js, Flask, JUnit, WordPress, FastAPI, RestAPI,
Developer Tools: Git, Docker, Google Cloud Platform, AWS, VS Code, PyCharm, IntelliJ, Jenkins
Libraries: pandas, NumPy, Matplotlib, TensorFlow