Contact

www.linkedin.com/in/justindavidlee
(LinkedIn)

Top Skills

Data Analysis
Python
Project Management

Languages

Spanish (Professional Working)
English (Native or Bilingual)
Chinese (Native or Bilingual)
German (Limited Working)

Justin L.

Please don't contact me unless you offer your first born to me as
sacrifice.
Houston, Texas, United States

Summary

Experienced Python Software Developer interested in Project
Management or Senior Developer role.

Experience

One Medical
Senior Software Engineer
April 2022 - Present (1 year 6 months)
New York City Metropolitan Area

Tahoma Broadband
Company Owner
April 2021 - April 2022 (1 year 1 month)
Greater Seattle Area

doxo
Senior Software Engineer
July 2020 - April 2022 (1 year 10 months)
Seattle, Washington, United States

Opus Consulting, LLC
Owner
September 2013 - October 2021 (8 years 2 months)
Seattle

Greyson Global, LA, CA: Create a call center for 10 insurance agents to be
scaled up to 200 agents.
- Deploy Twilio Flex with Google Single Sign On
- Develop Hubspot React Plugin CRM to be integrated to agent desktop

Partner Management Fund, San Francisco, CA: Data aggregation to model
Ritchie Brothers Auction stocks.
- Built scrapy spider that bypass ReCaptcha and extract financial data from
auction sales

Dose Safety, Seattle, WA: Develop mobile Dose Safety Controller (DSC) and machine learning programs.
- Compiled Matlab fuzzy inference system C files into a single Fuzzy Logic Controller (FLC) C file.
- Migrated FLC into Android device by linking Java and C code via Android Java Native Interface (JNI)
- Embedded FLC library into Medtronic Automated Ambulatory Glycemic System, an Android Artificial Pancreas application
- (Current) Migrate Matlab machine learning code to Python and C code

PurpleWall, Seattle, WA : Consult and triage Django web application and client business.
-Outlined new structure and configurations for staging, continuous integration, and deployment
-Triaged and patched up Django bugs and issues, and provide documentation

Uwe Schmidt, Germany: Develop QR code reader application on Linux/ Raspberry Pi
- Utilized existing Zbar Python and C code libraries to read QR code images
- Developed live-cam QR code reading capabilities with Python and Raspberry Pi camera libraries
- Compiled thorough documentations, libraries, and resources to client for project extensibility

Brand View, United Kingdom: Scrap off product information, sales, and prices from Waitrose Online Grocery market and export as JSON data with Scrapy, a python web scraping framework.

Project77 Co.
Chief Engineer
June 2019 - March 2020 (10 months)

Project 77 is being built by a customer focused team seeking to diversify education access by utilizing both metrics and data pipeline optimization. We rely on the underlying engineering services and leverage best software and design practices to build integrated and distributed systems. Our software platforms help educators and administrators to leverage student data to drive their education initiatives. The CE role at Project77 focuses on defining and leading the implementation of long-term strategic technology roadmap.

This role brings an architecture, platform, data design and engineering practices under one leader, me. I am responsible for the common foundational technology strategy for the company.

My key goals were to include expanding across the education system and ensure availability in all regions, improving software delivery efficiency, product resiliency and optimizing compute and network costs as well as growing and managing a global engineering team.

- Leading the strategy, planning, and execution of the Project77 technology roadmap
- Defining, evolving and implementing the architectural principles
- Communicated with clients to flush out detailed requirements, technical constraints and project timelines
- Researching global technology trends and their applicability to Project77's capabilities
- Representing Project77 at technology conferences and at executive level customer engagements
- Evangelizing, define and implement self-service software to drive efficient software development practices
- Maintaining strong relationships with key customers, partners, and vendors
- Promoting a positive work environment; select and train new team members; continuously provide feedback, mentoring, and coaching to existing team members
- Partnering closely with business leaders across functions to identify and prioritize the company's goals
- Leading leaders globally; mentoring and fostering a high performing collaborative team

BrandVerity
Senior Software Engineer
October 2018 - June 2019 (9 months)
Greater Seattle Area

- Designed Google Product Listing Ad (PLA) product service for Paid Search clients
- Implemented Python regular expressions to reduce PLA processing time from 3 hours to 7 minutes for clients and data analysts
- Built slack bot that uses Chalice to integrate OpsGenie, CloudWatch, Lambda, and API Gateway to reduce on-call incidents occurred during off-hours by 75%

- Built a TV dashboard to monitor infrastructure status.

The Pokémon Company International
Software Developer II
September 2014 - September 2018 (4 years 1 month)
Bellevue

- Build out, containerized, and secured Pokemon Trainer Club Authentication Services
- Implemented Gradle to eliminate dependency management in source control, increase productivity and raise project Bus Factor by 400%
- Raised test code coverage from 0 to 47% with JUnit and Jenkins to curtail critical system outages
- Migrated from Spring 3 to Spring Boot with Docker to reduce deployment process from 4 weeks to 3 days with Continuous Deployment pipeline
- Enhanced server-to-server security with PKCE OAuth workflow
- Pokemon GO
- Scaled out Auth Services with Couchbase from MySQL to 29M users for GO Launch
- Developed data sync service between Couchbase and Organized Play MySQL with Celery and Redis
- Optimized Django unit tests to run from 2 hours to 27 seconds to establish Continuous Integration
- Developed documentation to quickly onboard new team members
- Consolidated 5 internationalization and localization workflows to a single translation repository and eliminated process redundancies and translation discrepancies

Dose Safety
Software Engineer
September 2012 - September 2013 (1 year 1 month)

- Developed an absolute closed-loop fuzzy logic controller (FLC) in MATLAB for Artificial Pancreas Studies
-Conducted 24-HR APS clinical studies for Benaroya Research Institute at Virginia Mason Hospital
- Migrated MATLAB code into C and integrated with Android Application via Java Native Interface (JNI)
- Developed Dynamic Bayesian Network 15 - 45 minute blood sugar prediction algorithm in MATLAB
- Streamlined MATLAB data processing, analysis, and visualization from 45 minutes to 90 second

Benaroya Research Institute
Clinical Research Engineer
September 2012 - September 2013 (1 year 1 month)

-Providing on-site clinical studies and technical support for Artificial Pancreas Studies

BMW Brilliance Automotive
Project Manager
November 2011 - June 2012 (8 months)
Shenyang, China

Press Shop Construction Team Intern (BBT-97)
Objective: to construct 16,000 m2 storage tent in Siberian climate by March

Job Description
-Lead a team of suppliers, designers, clients, managers, and contractors (40+ employees)
-Tracked project schedule, worker headcount, project milestones and deadlines
-Examined bill of materials/bill of quantities, change requests, and project budget (~1.4M USD).
-Planned daily team meetings, weekly project meetings, and interdepartmental discussion
-Facilitated dialogue and discussions between people
-Compiled and prioritized open issues as well as delegated tasks and responsibilities accordingly
-Regulated job site, quality-control, safety and cleanliness
-Handled administrative and clerical paperwork for third-party companies
-Monitored critical construction components onsite and reported to senior managements
-Employed effective management style and interface with international colleagues and workers
-Initiated snagging(compiled list of defects) and rectified with facilities management
-Draft meeting agendas, meeting memos, escalation emails, and documentation templates

Achievements:
-Employed thermal insulation curtains to realign 2 week project delay back on schedule and to quarantine debris from contaminating production lines.

-Circumnavigated temperature problems: installed temporary structure, closed the tent, installed heaters, and replaced temporary with permanent structures in warmer temperatures under favorable construction conditions.

-Overhauled strategy to replace tent asphalt: negotiated with clients (logistics and production department), maximized ventilation and safety, reduced budget, and satisfied requirements within 48 hour window offered by production plant (built 7,300 m2 asphalt construction in closed space under 48 hours.)

-Developed Construction Database Access Template for company: reduce daily paperwork from 5 hours to 30 min, automated tasks, and designed customized reports

Johns Hopkins University
Undergraduate Student Researcher
October 2010 - May 2011 (8 months)

Biomicroelectromechanical Laboratory

Principal Investigator: Jeff Wang

-Constructed and tested PDMS chips, and devise biological applications

-Collaborate with graduate students on data extraction, analysis, and presentation

-Design MATLAB GUI for microdroplet data collection and analysis

Public Adviosry Consulting
Database Management
July 2010 - October 2010 (4 months)

-Develop budgetary and financial databases with Microsoft Access of Maryland counties from collected government fiscal reports

GreenSpacers Inc.
Engineer
May 2010 - August 2010 (4 months)

-Compiled, catalogued existing research plant data and information

-Designed a simplified sunlight intensity chart for commercial purposes through research and testing under limited funds and resources

-Managed and sold greenhouse plants

Johns Hopkins University
Undergraduate Student Researcher
May 2009 - February 2010 (10 months)

Cellular Biomechanics Laboratory

Principal Investigator: Sean X. Sun

-Cultivated bacterial culture and conducted phase contrast time-lapse microscopy on Escherichia coli

-Formulated and developed experiments to find correlation between longevity and gene expression of cells

Olympic Links

4 months

Assistant Camp Coordinator
July 2008 - August 2008 (2 months)

Sichuan Earthquake Volunteer

-Mentor elementary students in social sciences, physical education, and English

-Coordinated camp schedule and directed camp responsibilities

Human Resource, Marketing Intern
May 2008 - August 2008 (4 months)

-Analyzed target markets in China and devised new ideas for company platform

-Translated and proofread company documents (including web pages)

REI
Stock Specialist
September 2006 - February 2007 (6 months)
Redmond, WA

-Organized, stored, retrieved, and restocked inventory

-Provided customer assistance on floor

Department of Veterans Affairs
Student Research Assistant
September 2006 - February 2007 (6 months)

Western blots, Northern blots, Southern blots

———

Education

Code Fellows
Python · (2014 - 2014)

The Johns Hopkins University
Bachelor of Science (B.S.), Mechanical Engineering · (2007 - 2011)

Newport High School
· (2002 - 2006)

Activity

04/27/2022, Viewed by Christopher Chao

05/01/2022, Viewed by Jeanine van Erkel

09/13/2023, Viewed by Joeri Leemans