

# JOHN PUTKEY

## Python Developer, Blockchain Engineer, & IT Specialist

 <https://jrputkey.com>

 <https://jrputkey.com/webDev/portfolio.php>

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## SUMMARY

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- As an accomplished professional in software and web application development, I excel in designing, coding, testing, and implementing applications that meet and exceed user requirements. My deep-rooted interest in advanced energy technology, quantum physics, and artificial intelligence have honed my skills and intensified my passion for technology and problem-solving.
- As a Python developer, I have demonstrated proficiency in building robust and fault-tolerant software, which is reflected in my extensive experience within the information technology and services industry. My specialties include the development of artificial intelligence systems, text processing, and user interface development. Over the years, I have developed an affinity for blockchain technologies, especially Ethereum smart contracts, and have considerable experience in web interaction and data extraction.
- My expertise extends to other areas like audio processing, automated system development, file and directory operations, and script and module creation. I am equally proficient in PHP, MySQL, Oracle, jQuery, JavaScript, HTML5, and CSS, utilizing them for web development and API interactions.
- As an IT professional, I showcase advanced troubleshooting skills across a variety of platforms including Linux, Mac, and Windows systems. I exhibit strong abilities in database management, specifically with MySQL and Oracle databases, maintaining data integrity, managing backups, and upholding security measures. My background in network administration allows me to set up and administer local networks effectively, including the configuration of routers, switches, and other network devices. I am adept at using remote desktop protocols (RDP), System Center Configuration Manager (SCCM), and command-line tools for seamless remote IT support. My expertise extends to hardware repair, underlining my proficiency in resolving hardware malfunctions.
- My technical abilities are further enriched by soft skills including problem-solving, leadership, time management, and excellent communication skills. I have a proven track record in leading and managing teams, handling multiple tasks, and translating complex technical concepts into user-friendly language.

## SKILLS

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### Technical Skills

- **Python Development:** Creating efficient Python scripts and utilities for diverse projects, specializing in artificial intelligence and text processing.
- **Blockchain Technology:** Working knowledge of Ethereum smart contracts and other blockchain-related technologies.
- **Web Development and APIs:** Skilled in JavaScript and Python for interacting with APIs and web development.
- **Systems Administration:** Experienced in administering Linux, Mac, and Windows systems, including system setup, configuration, and performance optimization.
- **Database Management:** Proficient with MySQL and Oracle databases, managing data integrity, backups, and security measures.
- **Network Administration:** Proficient in local network setup and administration.
- **Hardware Repair:** Specialized in resolving hardware malfunctions, underpinning a robust IT support profile.

### Soft Skills

- **Problem-Solving:** Adept at identifying issues and implementing effective solutions, with strong analytical skills.
- **Communication:** Excellent written and verbal communication skills, capable of translating technical jargon into user-friendly language.
- **Leadership:** Proven experience in leading and managing teams for successful project execution.
- **Time Management:** Proficient in handling multiple tasks and meeting deadlines, underpinning an efficient work process.

# EXPERIENCE

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## Owner/ Front-end & Back-end Developer

### Abstract Endeavors

📅 June 2020 - present 📍 Houston, Tx

- Developing unique tools for market analysis specifically catered to any specified asset within the Blockchain ecosystem.
- Involved in technology and problem-solving, diligent and thoughtful, showcase good communication skills, working experience with Python, Django, Django REST Framework, Domain modeling, HTTP and REST APIs
- Delegating responsibilities to maximize productivity, created detailed reports on current development and market opportunities
- Utilized python to build the tools necessary for tracking and managing assets

**SKILLS:** Solidity, Python, PHP, jQuery, Process Improvement, Management, Time Management, Web Pages

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## Full-stack Blockchain Engineer

### Nebula Nodes

📅 June 2022 - October 2022 📍 Remote

- Used React.js, Node.js and MongoDB to build RESTful APIs for Nebula Nodes financial business project and developed several Blockchain features such as bulk payments
- Experience with any of ERC20, ERC721, ERC1155, BEP20 token on Ethereum and BSC and smart contract
- Developed Admin side using Vue.js and Customer side using ReactJS and testing project using Node.js for contract test
- We used AWS for CI/CD, Zenhub, Miro, Github, Jira, Loom and Slack and Microsoft Team for communication

**SKILLS:** React, Node, Vue.js, Blockchain, Solidity, AWS, Jira, Miro, MongoDB

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## Information Technology Help Desk Level 2

### Sally Beauty Corporate

📅 Dec 2019 - May 2020 📍 Denton, Tx

- Remote Help desk level 2 for all Sally Beauty locations, Managed relational databases such as MySQL, Oracle, and SQL Server
- Analyze java stack trace logs and error outputs, Remote repair via RDP, SCCM & CMD, Develop, implement, and accurately describe systems to improve efficiency
- Communicate with clients in both investigating problems and presenting a cohesive resolution

**SKILLS:** MySQL, Oracle, SQL Server, RDP, SCCM, CMD

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## Triage Technician

### CSAT Solutions

📅 May 2019 - Aug 2019 📍 Houston, Tx

- inspect and diagnose and repair recalled 2015 MacBooks
- Troubleshoot software and hardware malfunctions
- Disassemble, and replace broken components
- Clear communication of observations written into work orders

**SKILLS:** Apple certification, Apple device repair, Visual diagnosis, Troubleshooting software

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## Full-stack Web Developer

### Freelance Web Developer

📅 Sept 2018 - Sept 2020 📍 Houston, Tx

- Professional website development for legacy and mobile devices, developed a unified CSS sheet
- Developed a unique PHP functions sheet to ensure visual consistency as well as appropriate SEO specifications for meta-tags
- Wrote concise jQuery & JavaScript for the majority of front-end functionality
- Developed JSON parsers to efficiently translate external website data from URL strings, Implemented SQL Database for attached Forum

**SKILLS:** PHP, JavaScript, jQuery, CSS, HTML5, MATLAB, Python, React, Node.js, Web3, Blockchain, Nest

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## Advanced Repair Agent

### Geek Squad

📅 Sept 2014 - Sept 2018 📍 Houston, Tx

- Swiftly and accurately diagnose and repair devices brought into service, Communicating service options and scope of work to clients
- Disassembling and repairing a wide range of computers and devices, utilizing teamwork to provide better solutions to client issues, resolving software and OS malfunctions, including virus removal

**SKILLS:** Windows 7-10, Linux Most Distros, Mac OS, Local Network set up, Data

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## Sole Proprietor/Owner/Operator

### Mr. Pickles Inc

📅 May 2008 - June 2011 📍 Sacramento, Ca

- Created and compiled profit/loss data sheets consistently, Created and oversaw advertisement and community outreach
- Negotiated with vendors to minimize fixed cost, developed strategies to encourage steady growth, Mediated all lease agreements and contracts
- As sole proprietor of the Mr. Pickles on Watt Avenue, my job encompassed overseeing every aspect of the shop from the ground up

**SKILLS:** Customer Relations, Community Outreach, Advertising, Price Negotiations, Time Management, Budgeting

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## SKILLS SUMMARY

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Python Development (6 years)

AI and Text Processing (2 years)

User Interface Development (3 years)

Web Interaction and Data Extraction (6 years)

Blockchain and Smart Contract Development (3 years)

Audio Processing (2 years)

Automated System Development (4 years)

File and Directory Operations (4 years)

Script and Module Creation (6 years)

Web Development and APIs (6 years)

PHP (5 years)

MySQL (5 years)

Oracle (5 years)

jQuery (5 years)

JavaScript (5 years)

HTML5 (5 years)

CSS (5 years)

Project Management (5 years)

Linux (5 years)

Android (12 years)

Mac (10 years)

Windows (12 years)

Problem solving (12 years)

Leadership (5 years)

Analysis (5 years)

## EDUCATION

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### Associates in Science

**Houston Community College**

📅 2014 - 2016 Hours: 66

### Chemistry Major

**University of Houston**

📅 2016 - 2018 Hours: 54

### Relevant Course History

**COSC Computer Programming for Engineers**

**COSC Intro to Computer Science**

**COSC Python Programming I**

**MATH Differential Equations**

**MATH Calculus III**

**ENGI Technical Writing**

**CHEM Organic Chemistry II**

**CHEM Physical Chemistry**

**CHEM Instrumental Methods For Analysis**