

# King Mcdaniel

## Python Engineer

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### SUMMARY

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Enthusiastic Python Engineer with over four years of dedicated experience in software development, particularly within financial services and risk management. Skilled at designing impactful solutions that significantly enhance operational efficiency and drive business success. Proficient in Python programming and data manipulation, leveraging agile methodologies to collaborate effectively with diverse teams. Committed to employing innovative tools and techniques while adhering to industry standards. Eager to contribute expertise in developing quality applications and frameworks that support organizational goals at TechWave Solutions.

### EXPERIENCE

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#### Python Engineer

Data Solutions Inc. 📅 January 2023 - Present 📍 Los Angeles, CA

As a Python Engineer, develop and maintain essential libraries and frameworks utilized company-wide. Focus on creating analytical tools and applications for internal stakeholders, optimizing their capabilities. Collaborate closely with quantitative researchers to implement strong algorithms that improve risk management and pricing strategies. Participate actively in code reviews, ensuring alignment with architectural decisions and best practices.

- Developed and maintained critical Python libraries used throughout the organization.
- Created applications for traders and risk managers that significantly enhanced reporting capabilities.
- Collaborated with cross-functional teams, incorporating feedback into deliverables.
- Participated in technical discussions addressing design patterns and coding standards.

#### Junior Python Developer

FinTech Innovations 📅 June 2021 - December 2022 📍 Seattle, WA

Enacted improvements as a Junior Python Developer by building key production applications utilizing Python and vital data-focused libraries. Enhanced API developments which improved workflows across and between departments. Took part in thorough testing phases ensuring application performance excellence.

- Assisted in the maintenance of production applications utilizing various Python libraries.
- Developed effective APIs that facilitated better integration of data systems.
- Engaged systematically in debugging processes, ensuring reliability.
- Contributed insights during collaborative troubleshooting sessions.

#### Python Intern

TechForward Solutions 📅 June 2020 - May 2021 📍 Austin, TX

Contributed substantially as a Python Intern, aiding the development of numerous data-driven applications. Gained valuable experience working hands-on with robust Python libraries like NumPy and Pandas within a dynamic team environment.

- Took on responsible tasks related to data tooling within fast-paced projects.
- Learned and applied knowledge of software development operations.
- Supported team members through needs analysis and brainstorming.
- Facilitated quality assurance measurements and code verifications.

### LEADERSHIP & AWARDS

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- Recognized for Outstanding Performance in Software Development at Data Solutions Inc., 2025.
- Received Team Player Award at FinTech Innovations for exceptional collaboration in 2022.

### EDUCATION

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#### Bachelor's Degree in Computer Science

University of California, Berkeley 🎓 GPA: 3.8 📅 2020 📍 Berkeley, CA

**Coursework:** *Software Development, Data Analytics, Algorithms, Financial Engineering*

### CERTIFICATIONS

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- Certified Python Programmer 📅 2021
- AWS Certified Solutions Architect 📅 2022

## TECHNICAL SKILLS

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- **Programming Languages:** Python
- **Frameworks:** Django, Flask
- **DBMS:** PostgreSQL, MySQL
- **Cloud Computing:** AWS, Azure
- **Version Control:** Git
- **Testing Tools:** pytest, unittest
- **Deployment Tools:** Docker, Kubernetes
- **Data Processing:** Apache Spark, Hadoop
- **APIs Integration:** REST, GraphQL
- **Agile Methodologies:** Scrum, Kanban

## SKILLS

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- Python
- NumPy
- Pandas
- Agile Methodologies
- API Development
- Testing Frameworks
- Data Modeling
- Cloud Platforms
- Financial Services
- Risk Management
- Object-Oriented Programming
- Microservices
- Version Control
- Software Design Patterns
- ETL Processes

## PROFESSIONAL AFFILIATIONS

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- Active Member of the IEEE Computer Society since 2021.
- Regular contributor to local tech meetups focused on Python OMG strategy.

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST