

# Richard Shay Kennedy

## Full Stack Software Engineer

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GitHub: [github.com/shay-kennedy](https://github.com/shay-kennedy)

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### SUMMARY

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Full stack software engineer with over 5 years of experience working with Python, React, and JavaScript. Successful track record of leading a team of engineers developing and maintaining a highly visible and heavily-used multi-channel product. Strong communication skills, work ethic, and a passion for working with collaborative and hard-working teams.

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### TECHNICAL SKILLS

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**Frontend Development** (*JavaScript, React, Redux, React Native, HTML, CSS, Webpack, Nginx*)

**Backend Development** (*Python, Pyramid, Node.js, REST APIs*)

**Databases** (*PostgreSQL, SQLAlchemy, Redis, ElasticSearch, DynamoDB, MongoDB*)

**Infrastructure & Other** (*AWS, Kubernetes, Docker, Terraform, Kafka, Git, Github*)

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### PROFESSIONAL EXPERIENCE

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#### Repay

Feb 2017 – present | Remote

##### Tech Lead / Full Stack Software Developer

Design, develop and implement scalable, well-tested, and maintainable enterprise applications to meet business needs while promoting and adhering to application development best practices and standards.

- Develop, maintain and enhance the core Python API backend processing system and multiple JavaScript and React web applications accounting for approximately \$4B a year in payments.
- Lead a team of 5-6 software engineers to expertly design, build, deliver, and operate high-quality software.
- Provide assistance, strategy, and technical decision-making and communicate technical details and concepts to project managers, product owners, sales engineers, and other stakeholders.
- Responsible for writing clean code, product planning, guiding technical design, and owning technical delivery.
- Facilitate and lead at least 1 to 2 production releases per week, using Jenkins, to ensure quick integration of our work and meet our delivery goals, therefore supporting the rapid growth and success of the company by quickly addressing our clients' needs.

#### Notable Achievements

- Promoted to Tech Lead in January 2019.
- Architected and developed an automated, frontend, and backend process to migrate approximately 1,800 clients from a legacy production environment to a new enhanced production environment without any client impact or downtime, resulting in several thousand dollars of monthly savings.
- Engineered a complete full stack web application and APIs, utilizing React, Redux, Python, and PostgreSQL, for our internal users to have a way to manage client configurations and integrations, allowing for faster and easier onboarding and business growth.
- Designed and developed a complete and customizable SMS platform, utilizing Twilio API, Redis, Python, and React, which opened up an entirely new payment channel to existing and new customers.
- Set up various backend monitoring and alerting services to immediately notify of any potential issues and allowing quick remediation and to regularly maintain a service level objective greater than 99.95% uptime.
- Developed a new React Native mobile application which resulted in thousands of dollars in monthly savings from recurring outsourcing expenses and provided a new way for our clients to make frictionless payments.

## **Personal Time Off**

May 2017 – Jan 2017 | Phoenix

Time off for travel and career change

Took personal time off for travel, re-evaluating career direction and education needed for career change.

## **JP Morgan Chase**

Dec 2011 – Apr 2015 | Phoenix

Portfolio Analyst – AVP / Business & Reporting Analyst

Performed complex analysis and modeling as a senior member of the Business Planning and Analysis team. Translated quantitative operational data into meaningful insights that supported upper management in making business decisions, which resulted in expense savings of approximately \$6M - \$10M per year.

### **Notable Achievements**

- Provided forecasting, analysis, and reporting for stress tests to ensure business continuity under various economic conditions to successfully complete regulatory requirements.
- Integrated various business strategies into forecasting models to provide analysis of the overall business savings.

## **Charles Schwab & Co.**

Apr 2010 – Aug 2011 | Phoenix

Registered Representative / Customer Support Analyst

Provided financial and investment-related servicing, while evaluating portfolios/accounts and advising on long and short-term strategies, in a high-pressure, fast-paced, customer service call center environment. Analyzed customer issues, provided solutions to serve customers better, checked history records, and investigated complaints.

## **The Ohio State University**

Dec 2005 – Sep 2009 | Phoenix

Staff Assistant / Project Management

Project-based administrative role responsible for scheduling courses and events for the university as well as publishing the course offerings book.

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## **CORE COMPETENCIES**

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|-------------------------------|-----------------------------|--|
| • Web Application Development | • Software Design           | • Requirements Gathering                 |
| • Strong Technical Leadership | • Team Development/Coaching | • Project/Product Management             |
| • Process Improvement         | • Agile Methodologies       | • Software Development Life Cycle (SDLC) |

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## **CERTIFICATES**

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**AWS Certified Solution Architect - Associate** (*Feb 2022 – Feb 2025*)

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## **EDUCATION**

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### **Franklin University**

Master of Business Administration (MBA)  
Columbus, OH

### **The Ohio State University**

Bachelor of Science (B.S.)  
Columbus, OH