

# Niko Pavlov

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## TECHNICAL SKILLS

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**Languages:** JavaScript, Typescript, Python, SQL (Postgres and SQLDeveloper), HTML5, CSS

**Frameworks:** React, Next.js, Node.js, Express.js, JUnit

**Developer Tools:** AWS, Git, Visual Studio Code, Bitbucket, Jira, Eclipse, Mocha, Openfin

## EDUCATION

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**DePaul University**

*Bachelor of Science in Computer Science*

Chicago, IL

*Sept. 2019 – June 2023*

## WORK EXPERIENCE

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**Software Engineer Intern**

*PMA Financial*

September 2023 – Present

*Naperville, IL*

**Government Portfolio System** | *Javascript, Typescript, HTML, CSS, Node.js, React.js, PostgreSQL, AWS, Openfin*

- Utilized React, NextJS, postgresSQL, HTML, CSS, and Typescript to develop a full-stack system for admins to create and manage notifications for thousands users in real-time
- Created logs, alarms and dashboards to assist the QA team in tracking performance and api requests using AWS and Typescript
- Constructed a view for custom visualizations of the data from AWS, that were unable to be created using cloudwatch dashboards.

**PMA Internal Openfin Application** | *Javascript, CSS SQL Server, React.js, Node.js, Tomcat, MongoDB*

- Contributed to the ongoing maintenance and enhancement of the codebase by assisting in bug fixes and code refactoring tasks, fostering a more robust and scalable software architecture.
- Assisted QA in testing tickets, created test cases, and wrote suggestions in order to follow standard code practice, as well as the readability and cohesion of the User Interface.

## PROJECTS

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**Steamy** | *Node.js, PostgreSQL, AWS, Git*

Sep 2022 – November 2022

- Spearheaded the development of a high-traffic website hosted on AWS, leveraging the Steam API to deliver dynamic content and enhance user engagement.
- Engineered a robust PostgreSQL database infrastructure to securely store and manage sensitive user account information, ensuring data integrity and scalability.
- Implemented of automated testing using Mocha, ensuring code quality and reliability throughout the development process.
- Orchestrated the integration of email functionality, enhancing user communication and retention strategies.
- Agilely collaborated in 2-week sprints, actively soliciting and incorporating user feedback to drive continuous improvement and user satisfaction.

**CK3 Name Assistant** | *Python, Git*

March 2023

- Pioneered the creation of a companion app for Crusader Kings 3, catering to a vast audience of 20,000 daily concurrent players.
- Designed and implemented a feature to provide accurate name pronunciations based on the phonetics of selected languages, enriching the user experience and immersion.
- Developed functionality to rename places according to the cultural context of the player character, enhancing narrative depth and personalization.

## RELEVANT COURSES

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**Software Projects** | *CSC 394*

September 2022 – November 2022

- Led a collaborative team effort to conceive, design, and implement a feature-rich website, demonstrating strong project management and teamwork skills.
- Architected a sophisticated web platform with authentication and database functionality, seamlessly integrating the Steam API to provide personalized user experiences