# UKI PAVLOVIC
## SOFTWARE ENGINEER

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## SKILLS

JavaScript, Python, CSS, HTML5, React, Redux, Flask, Sequelize, SQLAlchemy, PostgreSQL, SQL, Pug, Express, Docker, Heroku, AWS S3

## PROJECTS

**Fokus -** *An e-commerce app for selling and buying vintage film cameras*
- Utilized AWS S3 to allow users to upload multiple images from their own devices achieving smoother, more efficient, and consistent user experience.
- Engineered a system that uses session storage in users' browsers to successfully store items and display them in the user's shopping cart, cutting the unnecessary requests to the server and optimizing the app's traffic.
- Leveraged React with Redux in the frontend, incorporating RESTful design to modularize into reduced helper store for easy data search and access, improving UI/UX and overall responsiveness of the app.

**Splitzy -** *A financial app featuring expense tracking, sharing, and managing engine, wrapped in a friendly UI*
- Utilized SQLAlchemy with Flask to deliver a highly efficient and organized relational database.
- Implemented React framework for the frontend to achieve the one-page layout for an effective, clean user experience.
- Engineered a friending feature that encompasses self-referential, users-to-friends database table allowing users to befriend each other and effectively share and manage finances.

**ScoutFound -** *All-inclusive platform for documenting and sharing film locations, à la location scout book*
- Spearheaded the design and implementation of the database in Sequelize and API routes in Express-native backend, making queries to the database simple and time-efficient.
- Organized the flow of data using Redux state management in React framework, effectively achieving a highly optimized and responsive frontend experience.
- Utilized AWS S3 engine to seamlessly handle a volume of images, allowing users multiple image uploads, and simpler image validation.

## EXPERIENCE

**Director, Producer, CEO -** *Sunsick Films, LLC*                                        **Sept 2017 – Present**
- Managed preproduction planning including working out budgets ranging between $10K and $30K, securing adequate rights and permits, scheduling auditions, hiring crew, and assigning heads of departments on various film projects effectively leading teams of 30+ collaborators.
- Organized and executed all-scale productions as a line producer and director, achieving goals set forth by the executive producers, keeping costs low, and maintaining the schedule.
- Secured artistic vision from its incubation through postproduction over to the final picture, balancing departments of 10+ people, 3+ hours of footage, extensive sound and music work, including additional shooting days, and ADR.

## EDUCATION

**App Academy – Full Stack Web Development**
- End-to-End Software Engineering for Web that prioritizes JavaScript and Python, along with Object-Oriented Programming (OOP), Test-Driven Development (TDD), and pair programming.

**Brooklyn College – Brooklyn, NY – BA in Film Production**
Honors include being awarded *The Rosen Fellowship*, which funded the production of "The Black Mallow", a thesis film written and directed by Uki Pavlovic along with making the Dean's List from 2015-2018.