

# David Kear

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## Employment

**The Travelers Companies, Inc.** Hartford, Connecticut

July 2020-March 2024

*Software Engineer*

- Successfully collaborated with UX and business teams to design and strategically implement customer-facing React pages, enhancing user experience and driving business growth
- Engineered robust Node APIs to streamline business functions, and innovatively transposed customer input to match consumable schemas, enhancing data consistency and improving system efficiency
- spearheaded the migration of on-premise applications to AWS Cloud, enhancing scalability, reducing operational costs, and improving system reliability
- Implemented comprehensive unit, integration, and regression tests to prove application stability, functionality, and modularity
- Undertake ownership of codebase by deploying team changes to required environments and maintaining documentation for both teammates and downstream consumers
- Ensure product health via on-call responsibilities and handling support tickets
- Follow Agile practices, participate in scrum readouts, planning, refinements, retros

## Internships

**GoldenTree Asset Management** New York, New York

June 2018-August 2018

*2018 IT Intern*

- Modified Windows Powershell scripts to automate communication between systems and employees using Outlook
- Created Windows Powershell scripts to maintain and update SQL databases
- Tested accounting software according to vendor requirements

**Pitney Bowes** Danbury, Connecticut

June 2017- August 2017

*2017 Summer Intern*

- Helped write methods for the Quality Assurance/Testing team in C#
- Wrote parsing methods to extract relevant information from provided output

## Personal Projects

- Write AWS lambda functions that send emails with valuable end-of-day trading information to guide after-hour stock decisions
- Created a self-driving, memoized car simulation that uses neural networks and genetic algorithms to avoid collisions

## Technologies

- Javascript (Express, React, Node)
- Database integration (DB2, Mongo)
- Deployment software (CB Jenkins, CI/CD, Mulesoft)
- Software monitoring (Graylog, Data Dog, Dynatrace, Kibana)
- Security suites (Blackduck, Snyk)
- Cloud deployment and migration (AWS lambdas)
- Code repositories (Git, bitbucket)

## Trainings

- Introduction to Lean Agility
- Machine Learning I - Basic Machine Learning
- AWS Cloud Practitioner Essentials
- Generative AI in the Workplace

## Education

**State University of New York Oswego** Oswego, NY

August, 2019

Bachelors in Computer Science with a Minor in Economics