

Kevin Luk

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EDUCATION

University of Virginia

- B.S. in Computer Science, Graduated with High Distinction

Charlottesville, VA

August 2018 – May 2022

SKILLS

Languages/Frameworks: Java, C#, Python, JavaScript, TypeScript, HTML/CSS, React.js, .NET, Node.js.

Testing: Cypress, Jest, xUnit, MSTest.

Databases: MongoDB, DynamoDB.

Developer Tools: Git, MS Visual Studio, Visual Studio Code, Fiddler.

EXPERIENCE

CoStar Group

Software Engineer

Washington D.C.

August 2023 – Present

- Built and deployed Universal Favorites API using .NET Core and Terraform for new products, such as Homes.com and Funds, and collaborated with consuming teams to fix, propose, and implement features.
- Designed and maintained Amazon DynamoDB tables to maximize the performance of Universal Favorites API, providing insight on designing partition keys and organizing data with indexes.
- Increased code coverage by 35% in one month for CoStar Sync News and implemented code coverage reporting in Azure Pipelines to promote and maintain testing.

Associate Software Engineer

August 2022 – August 2023

- Developed frontend components using TypeScript and React.js for features such as Permanent Delete View and Undelete View in Costar Suite utilized by 100k daily users.
- Wrote, maintained, and monitored 100+ E2E and API tests using Cypress to identify issues in CoStar Suite and Universal Favorites API.
- Initiated unit testing improvements for Universal Favorites API by determining testing requirements, creating code coverage reports to manage coverage numbers, and writing tests.

Anika Systems

Software Engineer Intern

Remote

December 2021 – May 2022

- Created automation scripts and workflow diagrams using UiPath and Flowchart for four company clients.
- Held weekly meetings to discuss work progress and requirements with the team manager.

University of Virginia

CS 4640 Teaching Assistant

Charlottesville, VA

August 2021 – May 2022

- Instructed a class of 50 students about web design and API development.
- Organized office hours to help students with homework assignments and project planning.

ZippyZen, LLC

Software Engineer Intern

Remote

June 2021 – August 2021

- Designed and developed an Android app prototype using Kotlin and SQLite to create a client-to-volunteer experience for the Meals-on-Wheels meal distribution program.
- Mocked and implemented sign-in, sign-up, and dashboard screens using Android Studio.

PROJECTS

Natural Event Tracker

- Web application created with React.js, Google Maps JavaScript API, and NASA EONET API that displays natural event locations on an interactive map.

Health Diary

- Web application created with HTML/CSS, JavaScript, Node.js, Express, and MongoDB that allows users to record diary entries about diet, exercise levels, and mental health.