

# Vien H. Pham

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## WORK EXPERIENCE

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**Infosys** | Phoenix, AZ

*Software Engineer*

June 2021 - Present

- **Installed and repaired** critical software applications, **reducing** system downtime by ~**50%** and **boosting** overall productivity by **15%**.
- **Conducted** regular software tests and maintenance with **JUnit** and **Jest**, **enhancing** system stability by **20%** and **preventing** 10 potential failures per month, according to system stability metrics and failure logs.
- **Worked** with coding languages (**Node.js**, **Java**, **Python**) and the **AngularJS** framework to **develop** new features, and **applied Agile** development methodology to **accelerate** delivery time, which contributed to an increase in **15%** client satisfaction.

## TECHNICAL SKILLS

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- **Languages:** JavaScript/TypeScript (Node.js), HTML5, CSS, SQL
- **Tools:** Git, Github, VSCode, npm, Postman, AWS, MongoDB, Firebase, MySQL
- **Frameworks:** React, Express.js, Tailwind CSS
- **Libraries:** JWT, Redux, jQuery, Semantic UI, Three.js

## TECHNICAL PROJECTS

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**VMovie** | [Website](#) | [Front-end](#) | [Back-end](#) | React | Redux | NodeJS | Express | MongoDB August 2024

- **Developed** a booking system allowing users to reserve movie tickets, order food and drinks, and manage various system aspects through **admin** access, enhancing user convenience and operational efficiency.
- **Built** the frontend with **React/Redux** and designed it using **TailwindCSS**, **creating** a responsive and visually appealing user interface
- **Implemented** the backend with **Node.js** and **Express** using **MVC** pattern, **optimizing** API response times by 20% through caching and asynchronous processing.

**The Movies** | [Website](#) | [Front-end](#) | [Back-end](#) | React | Redux | Node.js | Express | MongoDB March 2020

- **Built** a real-time chat feature using **Socket.io**, **enhancing** user interaction by allowing friends to chat directly within the application.
- **Developed** the frontend with **React/Redux** and Bootstrap, **Creating** a responsive UI that enabled users to manage favorite movie lists, write reviews, and share collections, **boosting** engagement and content sharing.
- **Designed** the backend with **Node.js** and **Express** following the **MVC** pattern, **streamlining** API responses for fetch requests and improving application architecture.

**Maze Generator** | [Website](#) | [Source Code](#) | React | Redux | HTML | CSS | Bootstrap | Firebase March 2020

- **Developed** a maze generator web app with selectable algorithms (e.g., DFS, Prim's), **enhancing** user engagement through customizable experiences.
- **Implemented** controls for maze size, speed, and search algorithms (A\*, BFS, DFS, etc.), **enhancing** flexibility and educational value.
- **Optimized** maze generation and pathfinding, **reducing** computational time by **13%** through efficient algorithms

## EDUCATION

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**Flatiron School** | Houston, TX

January 2020 - May 2020

- Full-Stack Web Development, Ruby on Rails and JavaScript immerse program

**Lone Star College** | The Woodlands, TX

May 2019

A.S. Computer Science