

PRASHANTH KETH

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Education

University of Toronto

Honours Bachelor of Science in Computer Science

2018 – 2023

Toronto, ON

Professional Experience

Zynga

Software Engineer

July 2023 – January 2024

Toronto, ON

- Engineered APIs in PHP for various slot machine games in the Hit It Rich! mobile game, mimicking unique behaviors and generating structured outcomes for use by client engineers.
- Contributed to the planning and implementation of a Jenkins pipeline using PHP and Groovy, automating the game release process and resulting in a predicted 200% reduction in team time investment during release cycles.
- Improved team debugging proficiency by utilizing JavaScript and PHP to introduce new features into our testing framework, enabling engineers to conduct more precise testing of slot machine RTPs (Return To Player).
- Facilitated design document discussions with team and stakeholders, ensuring a collaborative approach in advance of creating new slot machine games.

Facebook

Software Engineer Intern

September 2022 – December 2022

Menlo Park, CA

- Ideated and developed a Hack (PHP) framework responsible for sending teams at Facebook automated alerts through different mediums (email, chat and tasks) based on the performance of their promotional feed stories (e.g. people you may know) that is delivered to end users in order to drive company metrics.
- Optimized the loading speed performance of the Quick Promotions dashboard, which is used to define configuration settings and view performance analytics (e.g. CTR, impressions and dismiss rate) for promotional feed stories, by 75%.
- Created a Python pipeline responsible for SQL querying, aggregating and sanitizing data related to a promotional feed story's relative performance and then storing it in Hive and other internal databases.
- Leveraged React.js, Redux and GraphQL to create a dashboard which provides insights into a promotional feed story's relative performance and resources to optimize the performance.

Amazon

Software Development Engineer Intern

May 2022 – August 2022

Toronto, ON

- Planned and implemented an API for Amazon's Seller Central platform, which is responsible for charging fees to merchant users based on their shipment details.
- Utilized Java with Spring Boot to migrate off deprecated APIs and leverage existing APIs into creating a 15% more efficient algorithm (API receives over a million requests monthly from Amazon's sellers).
- Maintained code compatibility with 100% code coverage by writing unit and integration tests using JUnit and Mockito.

Appnovation

Software Developer Intern

September 2020 – April 2021

Toronto, ON

- Designed and developed internal tool in Node.js that converted Figma designs/styles into SCSS for use in JS frameworks, leading to an improved initial start-up time for new client projects by 15%.
- Built and rebranded ASCD.org, an international professional learning and community platform for educators, using React.js, Next.js, Contentful and MaterialUI.
- Leveraged atomic design to create reusable components that enabled responsive and scalable React web applications.

Technical Skills

Languages: JavaScript, Python, Java, C, PHP (Hack), GraphQL, HTML, CSS/SCSS, SQL

Frameworks: React.js, AngularJS, Redux, Next.js, Node.js, Bootstrap, MaterialUI, MongoDB, Neo4j, MySQL, Spring

Tools: Android Studio, IntelliJ, Contentful, Blue Prism (RPA Tool), SVN, Git, Mercurial, Jenkins, Splunk

Projects

Spotify API Clone | (github.com/prashketh/SpotifyAPIClone)

- A REST API for a Spotify-like music application which uses microservice architecture to create services to manage songs and profiles.
- Utilizes a MongoDB database for the profiles and a Neo4j graph database for songs and creating relationships between profiles and songs to simulate a user's playlist.