

# MARIA KHAN

## FULL STACK WEB DEVELOPER/SOFTWARE ENGINEER

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### Summary

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Resourceful and adaptable full-stack developer with a proven track record of solving complex problems through analysis and data-driven decision-making. Passionate about crafting intuitive user experiences, mentoring others, and driving towards exceptional results in a collaborative environment, including through past leading roles.

### Technical Skills

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#### Full Stack Development

React, JavaScript, React Hooks, Redux, Next.js, Serverless, SWR, Python, Node.js, Express, HTML, SCSS, CSS, Bootstrap, Material UI, GitHub, TypeORM, TypeScript, JSX/ES6, NextAuth, SQL, Restful APIs, Jest, React Testing Library, JSON

#### AWS & Microsoft

AWS Lambda, AWS IAM, AWS S3, AWS EC2, AWS CloudFormation, AWS CloudWatch, AWS Amplify, AWS CDK, Heap Analytics, Microsoft Azure OAuth2 and SAML, PingID OAuth2 and SAML

#### Other

Cyber Security, SVG, Agile Development, Jira, Postman, Testing and Deployment, Heroku, Terminal, Git, Bamboo CI/CD, In depth Authentication support, New Employee Mentoring, chatGPT

### Soft Skills

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Communication (written and verbal), Teamwork, Problem-solving, Time management, Leadership, Mentorship, Training, Goal-oriented, Adaptability, friendly, outgoing, empathetic

### Experience

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**Software Engineer | Liberty Mutual Insurance | 6<sup>th</sup> largest property and casualty Insurer in the world | 01/2021 – 12/29/2023**

***HelpHub: Employee Services Application** - Created new features and maintained the application.*

***AWSM: Agent Workstation Management** - Redeveloped legacy application using modern technologies.*

- Was moved over to this team to assist in a new application. Needed a skilled front-end engineer. Was given lead to this project, choosing technology, architecture and set-up.
- Utilized Next.js and SWR caching strategy to improve performance in the Agent Workstation Manager application.
- Developed applications using React, Redux, Material UI, Bootstrap, JavaScript, Node.js, and Express.
- Explored authentication options for the Next.js app, evaluating both NextAuth Azure and MSAL (Microsoft Authentication Library). Ultimately, opted for NextAuth due its simplified coding requirements.
- Used AWS CloudFormation to deploy the AWSM application plus AWS CloudWatch to monitor backend lambdas.
- Implemented comprehensive testing solutions using Jest and React Testing Library
- Heavily involved in the development of AWSM in the direction of, focusing on intuitive user interfaces and responsive designs, leading to an improvement in user satisfaction and engagement.

- Optimized API performance in both applications, significantly reducing response times and enhancing overall system efficiency.
- Ensured effective collaboration and version control by successfully managing repositories on GitHub and BitBucket in close collaboration with teammates.

***ChatGPT/LibertyGPT: Development Optimization*** - Collaborated on optimizing development and performance.

- Streamlined test development processes, reducing completion time from days to hours.
- Improved debugging process, leading to quicker bug resolutions.
- Optimized front-end development tasks, reducing development time.
- Enhanced code quality and overall project performance using ChatGPT's capabilities.

***Corporate Legal: Applications Compliance*** - Redeveloped legacy application using modern technologies.

- Created a serverless backend for QuickView using AWS Lambdas, reducing costs significantly.
- Developed scalable serverless applications using AWS CDK.
- Monitored QuickView application for bugs and performance using AWS CloudWatch.
- Converted Java Springboot application to Node.js for modernization and scalability.
- Utilized Restful APIs to exchange data and Material UI for a user-friendly interface.
- Used GitHub, BitBucket, and Bamboo to manage the code the software development process.
- Developed QuickView UI using HTML, CSS, and SASS for maintainability and scalability.
- Managed and collaborated on code using GitHub for private repositories.

***Global Cyber Security:*** - Ensured global cyber security for Authentication in the company.

- Configured Microsoft Azure & PingID OAuth2 and SAML authentication for new and existing applications.
- Developed Python scripts to automate certification and secrets rotation in AWS.
- Contributed to AAT console development using React.
- Provided in-depth authentication support to the L2 support team, resolving incidents efficiently. Managed and collaborated on code using GitHub for private repositories

**Intern Associate Software Engineer | Known Point Technologies | Start-up | A company that develops solutions for medical information technologies | 09/2020 - 12/2020**

- Developed and maintained user-facing webpages using HTML, CSS, React, and JavaScript.
- Designed and implemented interactive user interfaces for websites and applications.
- Created custom responsive designs that optimized the website layout for various devices.
- Debugged existing code to identify and fix bugs or performance issues.
- Ensured clean, valid HTML and CSS markup conforming to industry standards.
- Built automated test suites to ensure the quality of developed features.
- Performed usability testing on new features prior to release.
- Provided timely support during software releases by troubleshooting any issues encountered.

**Lead Mortgage Specialist | Green Tree Mortgage Servicing | A company that provided home loan services and refinancing products and loans to consumes and institutional partners in the US | 06/2012 - 03/2015**

- Reviewed and prepared documents such as contracts, deeds, mortgages, leases, and other legal documents.
- Work portfolio with millions of dollars' worth of customers and having the ability to have a low delinquent portfolio.
- Creating and managing programs to help customers such as re-payment programs, deferral, modification programs, short sales, and deed in Lui.
- Negotiate and collect on delinquent mortgage accounts.
- Worked well as a team lead to help fellow co-workers in need of assistance and help them achieve their goals. Help supervisors with fellow employees to help guide them to consistently hitting goals set by managers.
- Constantly problem solving with customers to help resolve problems to get accounts resolved.
- Motivated my team into succeeding. We had the best team in our department. Kept the energy going and helped the coworkers.

## Education and Training

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**University of New Hampshire** | Portsmouth, NH

**Full Stack Web Development | Coding Certificate** in Computer Programming, Vendor Certification

03/2020

## Awards and Recognition

**Project 1 (Professor planet)** – “Best Looking App”, “Awe-Inspiring App”, Most Creative use of APIs”, Best User Experience”

**Project 2 (Gamer Evolution)** – “Best User Experience”, Awe-Inspiring App, Awe-Inspiring App, Most Creative use of APIs