MATT KHARRL

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Skill Highlights

- Object-Oriented programming (Java, C#, Python)
- Front-end development (React, Redux, Angular2, jQuery)
- RESTful API design (Express.js, MongoDB, Node.js)
- .NET development (C#, ASP.NET, SQL Server)
- Database management (SQL, MongoDB, DynamoDB)
- Native iOS development (Xcode, Swift)
- Cross-platform mobile development (Cordova)
- Interactive data visualization (D3.js, DC.js, Crossfilter.js)
- System architecture (client-server, service-oriented, serverless)
- Agile/Scrum processes and workflows

Summary

- Software engineer with professional experience developing large-scale applications for high-volume technology companies.
- Designed, implemented, and deployed a full-stack system at Amazon which provided a scalable management platform for marketing and product owners to deploy digital media to Alexa-enabled devices worldwide.
- Researched, designed, and executed the ThreatMetrix ID product, providing digital identity confidence to thousands of online businesses and leading to a $400m increase in valuation prior to acquisition.
- Two-time winner of Apple Excellence Award for innovation after engineering internal resources to boost productivity.

Experience

Software Development Engineer Intern   May 2018 - Present
Amazon – Seattle, WA

- Build an internal application which automates and secures the process of deploying digital media assets to Amazon Echo devices, providing a scalable platform for product growth within the Prime Photos organization.
- Architect and design the system with a service-oriented approach using native AWS services (EC2, S3, Lambda, DynamoDB, API Gateway, CloudFormation) and modern web technologies (React, Node.js).
- Manage the product lifecycle, including design reviews, technical documentation, sprint planning, and deployment.
- Build, test, and deploy the application to production for use by product owners and marketing teams.

Software Developer   August 2017 – May 2018
ThreatMetrix – San Jose, CA

- Design and implement modern web and mobile applications to demonstrate the ThreatMetrix product suite for the purposes of event presentations and sales.
- Manage the agile development, deployment, and maintenance of multiple applications and services.
- Collaborate with product owners, executives, sales representatives, and marketing teams to gather requirements and maintain vision on the goals of our products.

Product Management Intern   May 2017 – August 2017
ThreatMetrix – San Jose, CA

- Engage in the research, requirements gathering, and design of new software solutions to detect unique digital identities on the web for use in fraud prevention and data analysis (ThreatMetrix ID).
- Implement software designs for ThreatMetrix ID on a production level, including data visualization and API design.
- Travel to engineering offices in Sydney, Australia to lead the integration of new products into our existing technology suite.

Software Development Intern   January 2017 – May 2017
Edupoint – Mesa, AZ

- Utilize skills with C#, .NET development, and SQL database management to improve and enhance an industry leading education information system.
- Participate on an active engineering team by completing assigned tickets in a Scrum-based environment.

Technical Advisor, Apple – Tempe, AZ   June 2015 – November 2016

Education

Bachelor of Science, Software Engineering   Expected Graduation – May 2019
Arizona State University – Tempe, AZ (final year remote) – 3.4 GPA