

# Krešimir Vukić

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## SOFTWARE ENGINEER

### TECHNICAL SKILLS

Programming: C#, TypeScript, C++, Java, Python, GoLang  
Tools: Azure, Docker, Kubernetes, GIT, Linux, SQL

### EDUCATION

JULY 2017-JULY 2019 **Master of Science in Computing (MSc)**, FER, University of Zagreb  
MSc THESIS - Adversarial attacks for image classification models  
OCT 2014-JULY 2017 **Bachelor of Science in Computing (BSc)**, FER, University of Zagreb  
BSc THESIS - Deep neural networks for emotion recognition

### WORK EXPERIENCE

OCT 2019-PRESENT	<b>Software Engineer at Microsoft, Vancouver</b>  Azure/Compliance And Security <ul style="list-style-type: none"><li>• Developed systems for distributing security and compliance policies through Azure DevOps</li><li>• Implemented branch policies for ensuring that all changes are reviewed before reaching production environments</li><li>• Implemented build policy for functional test verification in Azure DevOps</li><li>• Enforced Azure Devops repository ownership mapping on 57000 repositories for aiding security teams</li><li>• Refactored policy tooling UIs from 2 year old React to a newly recommended architecture with React Hooks which improved maintainability and reduced chances of creating bugs</li></ul>
NOV 2017-SEP 2019	<b>Software Engineering Intern at Axilis, Zagreb</b>  Betting platform UI for internal use (TS, React, GoLang) <ul style="list-style-type: none"><li>• Developed interface for traders where they can map betting data sources to live and future match events</li><li>• Created an audit system for aggregating logs and monitoring anomalies</li></ul> Betting platform (GoLang) <ul style="list-style-type: none"><li>• Implemented system for lotto reward calculations and lotto ticket validation</li></ul> Contact matching application (JS, Node, React-Native) <ul style="list-style-type: none"><li>• Full-stack dev: deployment, DB migrations, SendGrid integration, UI implementation</li><li>• Reimplemented sign-in flow so that it doesn't require storing unconfirmed tokens</li><li>• Designed and created context-aware, asynchronous tutorial layer for the iOS</li></ul>
FEB 2016-NOV 2017	<b>Software Engineering Intern at CROZ, Zagreb</b>  Order Execution for T-Mobile Croatia (Java, Angular 2) <ul style="list-style-type: none"><li>• Worked on specifying business processes with BPMN</li><li>• Built docker images and set up Gradle build scripts for mock server and Redis DB</li><li>• Created a dashboard for data overview in form of graphs (with D3.js)</li></ul> Blockchain on IBM Hyperledger Fabric (GoLang, JavaScript) <ul style="list-style-type: none"><li>• Team leader for students at a summer internship</li><li>• Created a demo business network for real estate transactions on blockchain</li></ul> Project management application (Java, React) <ul style="list-style-type: none"><li>• Improved responsiveness by optimizing DB queries and implementing pagination</li><li>• Improved front-end code architecture by enforcing unidirectional data flow with Redux</li></ul>

### LANGUAGES

NATIVE: Croatian | FLUENT: English | BASIC KNOWLEDGE: German, Spanish