

Derek Tran

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WORK EXPERIENCE

Software Engineer

July 2021 to present

GeoSpatial Technologies, Inc. | Tustin, CA

- Add features to asset-tracking web application (Angular), monitoring 1000s of vehicles in real-time.
- Build and deploy web application (ASP.NET Core, C#), used by major airline across 30+ airports nationwide, to Microsoft Azure cloud. Continuously debug, test, and maintain source code and SQL Server scripts.
- Design and develop full-stack application (ASP.NET Core, C#) for law enforcement agencies to create and manage 100s of criminal and investigation reports.
- Support in-house device management application (ASP.NET Core, C#, Bootstrap) for tracking transaction history of over 4000 mobile devices and for handling RMA requests from customers using them.
- Improve and maintain front-end (Ext JS) and back-end (Java) of client's web application.

Technical Support (part-time)

September 2017 to July 2021

GeoSpatial Technologies, Inc. | Tustin, CA

- Enhanced proprietary mobile application (Xamarin), installed on 1000s of devices, with additional features.
- Managed inventory of over 2000 mobile devices installed with company's software, distributed over more than 20 airports. Tasks include configuration and QA of devices, RMA management, and customer support.
- Created user guide documentation for company's new mobile application product.

EDUCATION

Bachelor of Science, Software Engineering

September 2018 to June 2021

University of California, Irvine | Irvine, CA

PROJECTS

SealSpotter (5-person team)

October 2020 to March 2021

React Native mobile application that utilizes citizen science to track and report rehabilitated seals released by the Pacific Marine Mammal Center (PMMC). Reports are viewed on React web application for verification and analysis by PMMC members.

- Designed/developed back-end REST API service with Java and Spring, and connected it to a MySQL database.
 - Utilized AWS, e.g. EC2 for web hosting, S3 for image hosting, and RDS for database management.
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SKILLS

- Languages: C#, Java, HTML, CSS, JavaScript, C++, Python, Bash
- Database Management: SQL Server, PostgreSQL, MySQL, MariaDB
- Tools/Frameworks: ASP.NET Core, Bootstrap, jQuery, Git, GitHub, Spring, Maven, Node.js, Ext JS, Xamarin