

Thai Q Tran

Senior Software Engineer | Full Stack Engineer | Master Inventor

Thaitrance@gmail.com | (415) 336-8198 | San Jose, CA

<https://www.linkedin.com/in/thai-tran-70b63632/>

Experiences

Weather Company | Max Web Senior Software Engineer | 2022 - Present

- Reached millions of daily customers with embedded widgets for weather forecasts and maps
- Assisted over 600 clients in customizing and deploying mobile applications
- Developed video editing tool for embedding in live weather streams
- Reduced security vulnerability by 30% by modernizing API
- Increase page responsiveness by 50% with migration of the UI from PHP to react
- Improved and streamlined of the mobile build and exporting pipeline
- Served as Master Inventor mentoring others with 14 patents with more pending

Open-Source Clearance Lead Software Engineer | 2021 - 2022

- Prevented catastrophic data loss by migrating legal data from legacy server
- Enabled service continuity by building and maintaining over 6 production applications
- Ensured data accuracy and consistency with processes to sanitize and synchronize data
- Improved CI/CD pipeline speed by 20% and error margin using encrypted configurations
- Sanitized and stored data in different data warehouses for metrics, analytics, and searchability

IBM Developer Services Lead Software Engineer | 2018 - 2021

- Developed and maintained tools at w3 developer to automate triaging and processing of bug reports
- Federated login with google, meta, LinkedIn, twitter, GitHub, and IBM logins via OAuth
- Worked with compliance to ensure data privacy and security guidelines are adhered to
- Implemented an audit and notification and ACL system to control user actions
- Created various Cron processes to mine, sanitize, and synchronize data across our data warehouses
- Increased searchability and ESO using search emitter for w3 and ww.ibm.com
- Boosted net promoter score (NPS) by ensuring accurate and searchable search terms
- Watson NLP and sentiment analysis chatbot integration into web and mobile applications

IBM Developer Data and Dashboard Senior Software Engineer | 2017 - 2018

- Leveraged Elasticsearch to provide near-real-time data and enhance searchability
- Developed widget dashboard to display metrics derived from the collected and analyzed data
- Created data miners to gather and collect metrics from external sources like GitHub and YouTube for content
- Build and incorporated Google analytics and Amplitude traffic data various data models
- Implemented data ingestion for Salesforce spreadsheets and Wrike events to manage client data
- Utilized Travis CI/CD to detect failing projects and alert owners
- Used machine learning to build out recommendation engine based on content tags and traffic pattern

Open-Stack Core Contributor | 2014 - 2017

- Responsible for code quality, project stability, and roadmap as Core reviewer
- Evangelized the use of AngularJS in Horizon with key focus on plugins and localization
- Involved with documentation and localization work
- Consistently ranked as a top contributor in the community while active

Skills

- **Languages:** JavaScript, Typescript, Python, C#, Java
- **Front-end:** ReactJS, AngularJS, ThreeJS, flot, jQuery, Ionic, Bootstrap, Material Design, Carbon Design, Dojo
- **Back-end:** NodeJS, ExpressJS, Django, Flask, Sequelize, Loopback, Babel, PassportJS
- **Database:** MongoDB, Apache CouchDB, NoSQL, MySQL, Postgres, Elasticsearch, Redis
- **CI/CD:** Webpack, Jenkins, Travis, Terraform, Selenium, Liquibase, Docker, Kubernetes
- **Cloud:** AWS, Azure, OpenStack, OpenShift, IBM Cloud, Cirrus, Heroku
- **AI Frameworks:** Reinforcement learning, IBM Watson, Pandas, NumPy, Apache Spark, Pyspark
- **AI Tools:** Prompt engineer: Midjourney, Leonardo AI, Chat GPT, copilot, Claude
- **3D Rendering:** Unity, Unreal, Blender, Photoshop, Substance Painter
- **Mobile:** Android Studio, XCode, Google Admob, Unity Ads
- **Other:** Git, Agile, JSON, REST, EOS, HTML, CSS, XML, CSV, ELK

Education

- San Jose State University | B.S. Computer Science
- University of California of Berkeley | B.S. Molecular Cell Biology

Showcases

- <https://www.weathercompany.com/media/max-velocity/>
- <https://www.weathercompany.com/media/max-mobile/>
- <https://developer.ibm.com/>
- <https://docs.openstack.org/horizon/>
- <https://patents.google.com/?inventor=Thai+Quoc+Tran&oq=Thai+Quoc+Tran&page=1>
- <https://www.mistygames.net/portfolio>