

Minh N. Do

Senior Software Consultant

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Quandary Peak Research

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I am an accomplished computer scientist, experienced software engineer, and entrepreneur with 20+ years of experience in the technology industry with a robust educational background. Throughout my career, which spans roles at Apple, Toyota Research Institution, Netflix, and other leading organizations, I have consistently showcased my proficiency in designing and implementing scalable platforms and contributing to developing innovative technologies. My skill set encompasses a variety of programming languages and knowledge in a wide range of open-source software.

My extensive experience in building and operating scalable, high-availability, distributed infrastructures, coupled with my familiarity with the latest ML/AI technologies, positions me as a valuable asset at the intersection of computer science and legal contexts. I bring experience and perspective deeply rooted in programming to the legal landscape.

Education

M.S. in Applied Math

Santa Clara University | May 2021

M.B.A.

University of Phoenix, San Jose | Aug 2006

B.A. in Computer Science

University of California, Berkeley | May 2000

Skills

Expertise

- Software development practices and design of complex distributed systems, data warehouses, and cloud infrastructures.
- Advanced analysis of algorithms, operating systems, networks, and codecs.
- Proficient in modern ML/AI frameworks, systems, and workflows.
- Skilled in reverse engineering for iOS, Windows, and Android platforms.

Programming Languages

- Proficient in C, C++, Kotlin, Java, Scala, Python, Golang, and JavaScript.

Other Technologies

- Kubernetes, Cassandra, Spark, Hadoop, Yarn, Hive, AWS, MySQL/Postgres, Solr/ElasticSearch, Kafka, Flink, Iceberg, Spring, Linux, Memcached/Redis, Neo4j, etc.

Employment

Quandary Peak Research

Senior Software Consultant | Hayward, CA | Nov 2023–Present

- Serve as a consultant and source-code analyst in litigations, including patent and copyright infringement, breach-of-contract matters. Skilled in source code review and reverse-engineering.
- Evaluate the software architecture of various products and assess overall characteristics, strengths, and weaknesses.

Apple

ICT 5 Software Engineer in Maps Organization | Cupertino, CA | May 2019–Oct 2023

- Built and maintained Map Tile Servers (K8s service, Java/Kotlin, Cassandra, Redis).
- Built and maintained Streaming POI Map Pipeline (Kotlin, Kafka, Cassandra).
- A part of a small team responsible for big data infrastructure that runs a geometry processing and map encoding engine for producing map tiles (Spark, AWS, Java/Kotlin/Scala/C++/Python).
- Built a miniature system with the entire Maps processing stack for editor tooling integration for quick map generation on newly edited datasets.
- Developed a data warehouse system to hold various map datasets for system integrations.
- Designed and built an inexpensive, hundred-of-petabyte scale datastore with Iceberg and Parquet for sub-regional map tile generation.

QuantaDex

Technical Advisor | Santa Clara, CA | Jan 2018–Feb 2020

- Advising on building a new Blockchain system to support QuantaDex's Decentralized Cryptocurrency Exchange

Toyota Research Institution

Staff Software Engineer | Palo Alto, CA | June 2018–Feb 2019

- Led the Data Pipeline team for data ingestions.
- Led the effort to build a Data Lake to support various ML/AI projects for autonomous driving systems.

Netflix

Senior Distributed System Engineer and Architect | Los Gatos, CA | Mar 2013–May 2018

- Worked on data ingestion systems to bring structured and unstructured data into the main data vault.
- Led the architectural design and development of a distributed caching system for multi-datacenter deployments (Dynomite) and its Java client driver (Dyno). Acquired a patent on this.
- A part of the Cassandra operation team to bring OSS patches into internal Cassandra deployments.
- A contributor to the Cassandra OSS project as well as speaking at CassandraSummit and Cassandra meet-up.
- Built scalable abstraction API service layer using gRPC to provide access to many data storages by delivering a unified, simple set of APIs.

TangoMe

Big Data Team Founding Engineer | Palo Alto, CA | Feb 2012–Mar 2013

- Designed and developed a big data log processing system using Hadoop, Spark, Hive, and AWS to process Tango logs (130M daily users) and integrate analytic information into other internal systems.

PepperMob

Senior Platform Engineer and Architect | Milpitas, CA | May 2011–Feb 2012

- Designed and implemented the distributed, scalable platform in AWS leveraging Tomcat, Nginx, Membase, RabbitMq, Mysql, Cassandra, Amazon Ec2/VPC/S3, Rails, and OAuth integration.
- Designed and implemented REST API for Mobile Apps.
- Researched Mahout/Hadoop to build a document classification system.
- Maintained and enhanced the Ruby-on-Rails User Portal.
- Integrated Dropbox, Box, and Salesforce APIs.

Qualys

Senior Platform Engineer | Redwood City, CA | June 2010–May 2011

- Developed a distributed messaging infrastructure as a core messaging bus for internal system integration.
- Designed and implemented a multithreaded, high-concurrency JMS consumer library in Java.
- Participated in design and hand-on implementation for Qualys' developer API and SDK.

HighTail (formerly YouSendIt)

Senior Platform Engineer | Campbell, CA | Jan 2009–June 2010

- Participated in the designing and implementation of YouSendIt's 2nd generation microservice platform.
- Involved in various SOA/API backend services.
- Built a client caching framework.

Ariba

Senior Software Engineer | Sunnyvale, CA | Sept 2006–July 2008

- Enhanced various middle/backend components in Ariba's Supply Chain Management System.
- Maintained payment component and price negotiation system.
- Involved in privacy-compliant enhancements and data reports.
- Contributed to cross-system data exchange, UI enhancements, and SQL performance tunings.

Aimset, Inc

Founding Engineer | Redwood City, CA | May 2005–June 2006

- Designed and implemented a multi-tier/multi-tenant system.
- Integrated Alfresco document management in the Aimset system.
- Designed/built Aimset's network layout in the data center.
- Managed a group of a few engineers/testers.

Nextag

Software Engineer | San Mateo, CA | Mar 2003–May 2005

- Designed and implemented a Business Intelligence system backend and analytic UI dashboard for Nextag's Mortgage product.
- Developed Nextag's Education Product.
- Developed many backend components for Nextag's Application Server: database connection pooling, web page caching, distributed file collector, and custom queue messaging system.

Coenso, Inc

Founding Engineer | San Jose, CA | Oct 2001–May 2003

- Designed/implemented a mobile tracking system for drivers and delivered products.
- Built a workflow item tracking system.
- Modified the open-source CourierIMAP to enhance security.
- Managed a group of 4 engineers/testers.

Palm Associate

Software Engineer | San Jose, CA | May 2000–Sept 2001

- Ported Java Virtual Machine to Qualcomm Zrex OS.
- Developed a voice-over-ip recognizer traffic application server using Nuance and telephony boards.
- Built an analytic application on Microsoft's WebTV log files for data mining.

Litigation Consulting

- **Accessninja, Inc. v. Passninja, Inc. and Richard Grundy** | Aug 2025–Present

Jurisdiction: US District Court Southern District of Florida

Case Number: 1:24-cv-24745

Counsel: PAG Law PLLC

Nature of Suit: Trade Secret, Copyright

- **Coupa Software Inc. and LLamasoft LLC v. Optilogic, Inc., et al.** | July 2025–Present

Jurisdiction: US District Court, District of Delaware

Case Number: 1:24-cv-01275

Counsel: eliteXprts

Nature of Suit: Copyright

- **International Semiconductor Group Patent Analysis of Wireless Devices and Components (Plaintiff v. Defendant)** | Mar 2025–Present

Jurisdiction: International Trade Commission (ITC)

Case Number: 337-TA-1429

Counsel: Sterne, Kessler, Goldstein & Fox PLLC

Nature of Suit: Patent

Technology: Wireless Communication, Data Transmission, Digital Signal Processing

- **Apkudo, Inc. v. Monirul Quasem, et al.** | Mar 2025–June 2025
 Jurisdiction: American Arbitration Association
 Case Number: 01-24-0003-0907
 Counsel: Kagan Stern Marinello & Beard, LLC
 Nature of Suit: Trade Secret, Computer Fraud
- **CommScope, Inc. v. Rosenberger Technology Co. Ltd** | Oct 2024–Present
 Jurisdiction: U.S. District Court for the District of New Jersey
 Case Number: 19-cv-15962
 Counsel: King & Wood Mallesons LLP
 Nature of Suit: Trade Secret
- **Biometric Privacy Class Action Analysis** | July 2024–Apr 2025
 Counsel: Peiffer Wolf Carr Kane Conway & Wise
 Nature of Consultation: Biometric privacy in mobile apps.
 Technology: Android framework, AI models, Biometrics.
- **FTC in re H&R Block** | July 2024–Oct 2024
 Jurisdiction: Federal Trade Commission
 Case Number: Docket 9427
 Nature of Matter: Consumer Protection Online Application
 Technology: Complex WebServices, Chat bots, Software Design, Migration & Practices.
- **The Nielsen Company, LLC v. TVision Insights, Inc** | June 2024–Nov 2024
 Jurisdiction: ND Illinois
 Case Number: 1:22-cv-00057 (filed January 14, 2022)
 Counsel: Kelley, Drye & Warren LLP.
 Nature of Suit: Patent Infringement
 Technology: Multimedia fingerprinting, reverse engineering, decompilation.
- **Vimo Inc d/b/a GetInsured v. Deloitte Consulting LLP** | May 2024–Mar 2025
 Jurisdiction: Superior Court of CA, County of Santa Clara
 Case Number: G-24-7-NA, 22-cv-405262
 Counsel: Kirkland & Ellis LLP
 Nature of Suit: Trade Secret, Breach of Contract
 Technology: Complex distributed system analysis.
- **Anduril Industries, Inc v. Salient Motion Inc** | Apr 2024–Present
 Jurisdiction: US District Court, Central District of California
 Case Number: 8:23-cv-01650
 Counsel: McKool Smith, P.C.
 Nature of Suit: Trade Secret
- **Electronic Devices Including Smartphones, Computers, Tablet Computers, and Components Thereof**
 Feb 2024–Present
 Jurisdiction: International Trade Commission (ITC)
 Case Number: 337-TA-1373
 Counsel: Alston & Bird LLP
 Nature of Suit: Patent
 Technology: Video codecs, GPU firmware analysis.

- **Oriental Trading Company LLC v. Denovo Ventures LLC** | Jan 2024–Jan 2025

Jurisdiction: District Court of Douglas County, Nebraska

Case Number: CI 2206047

Counsel: Gordon Rees Scully Mansukhani, LLP

Nature of Suit: Copyright, Breach of Contract

Technology: Service System Analysis.

- **Nantworks, LLC, and Nant Holdings IP, LLC v. Niantic, Inc.** | Nov 2023–Present

Jurisdiction: US District Court Northern District of California

Case Number 3:20-cv-06262

Counsel: Sullivan Blackburn Pratt LLP

Nature of Suit: Patent

Technology: AR/VR on Android/iOS, Service System Analysis.

Intellectual Property Consulting

- **Sullivan & Cromwell LLP** | Feb 2025–Present

Nature of Consultation: Patent Analysis

Technology: Audio codecs.

- **Confidential Technology Company** | Feb 2025–Present

Nature of Consultation: Patent Acquisition Analysis

Technology: Content Distribution, Navigation Systems.

- **Confidential Technology Company** | Dec 2024–Present

Nature of Consultation: Patent Analysis

Technology: Video codecs, streaming technology.

- **Pre-litigation Patent Infringement Assessment** | Dec 2023–Present

Technology: mobile gaming, geolocation, user and device verification, jailbreak detection, proxy detection, Bluetooth beacon, ad delivery, biometric authentication.

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Other Technologies

- Kubernetes, Cassandra, Spark, Hadoop, Yarn, Hive, AWS, MySQL/Postgres, Solr/ElasticSearch, Kafka, Flink, Iceberg, Spring, Linux, Memcached/Redis, Neo4j, etc.

Languages

- English (professional)
- Vietnamese (college level)
- Spanish (minor proficiency)