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ANDREAS EMINIDIS

EMPLOYMENT

Principal Software Engineer   **Fend** LLC / Self Employed   June **2017 - Present**
- Designed and developed a service provider platform using decentralized technologies.
- Led teams in designing and developing web apps for clients, including Toyota Inc. Managed all aspects of project execution, from initial concept through to final delivery.
- React, Svelte, Python, Deno, Node.js, Kubernetes, GCP, AWS, TypeScript, Rust, Tailwind CSS, PWA.

Senior Software Engineer   **Apple**, Inc.   February **2014 –** May **2017**
- Designed, developed, implemented and debugged natural language processing software and tools.
- Worked with NLP team on mobile and desktop platforms to combine cutting-edge NLP tools and Q/A testing.
- Developed, extended and programmed the necessary map-reduce, distributed software tools to train large-scale statistical text models.
- Productized tools for internationalization, reliability, accuracy and performance.
- Reviewed software source code to identify defects and performance issues, and design for testability.
- Analyzed software performance problems and implement optimizations.
- Promoted to senior position and led novel distributed, big data, ML & DevOps initiatives.
- Co-invented predictive text input - patent: US9760559B2.
- Apache Spark, Hadoop, Kubernetes, Yarn, Mesos, Parquet, Kafka, Secure HDFS [Kerberos], NFS, TensorFlow, gRPC, protobuf, Cassandra, Redis, Cloudera, MapReduce, Jenkins, Git, SQL, Jupyter, Zeppelin, Docker, Scala, Java, JNI, Python, iOS, Linux/Unix, Objective-C, C++.

Mobile Software Engineer   **IBM** Corporation   June **2012 –** January **2014**
- Designed and developed a top rated business intelligence app (IBM Cognos Analytics Reports): a native iOS, Android and mobile web app application for viewing Cognos reports.
- Designed and developed an efficient algorithm for: updating reports on the fly & runtime skinning.
- Automated iOS testing by developing a testing framework and tests (functional and non-functional) for the team.

Extreme Blue Technical Intern   **IBM** Corporation   Summers **2009 - 2011**
- Developed, from concept to prototype, an iPad application for Business Insight (IBM business intelligence product) that allowed both native and HTML5 based iWidget content to coexist and interact seamlessly on a mobile device.
- Presented both technical prototype and business plan to senior IBM executives, including the VP of Business Intelligence and the VP of Emerging Technologies.
- Resulted in a patent (US20150089349A1) and IBM investing to continue product development.

EDUCATION

Montreal, QC   **Concordia** University   Fall **2008 –** May **2012**
- B.Eng. in Software Engineering, May 2012. Completed 3 internships & Graduated "with distinction" title.

TECHNICAL EXPERIENCE

Projects
- **Search Engine: Innovative Web Crawler and Indexer** (2011 – 2012). Created from concept to prototype a search engine (crawler and indexer): distributed system, PageRank, machine learning, information retrieval, TCP/IP, K-Means Clustering, Euclidean Distance, Vector Space, Centroid, Residual Sum of Squares. Java, JavaScript [jQuery], Ajax, HTML and CSS.
- **Android nursing application for McGill University** (2011 – 2012). Designed, from concept to prototype, a native Android app for nurses to add and read notes, messages, vital signs, etc. Resulted in immediate deployment to McGill's Royal Victoria Hospital.

Languages and Technologies
- Fluent (oral & written) in English, French, Greek and Russian
- TypeScript; JavaScript; Scala; Java; Swift; Kotlin; Python
- VS Code; Android Studio; IntelliJ IDEA; XCode; Interface Builder