



Menelaos Kotsollaris

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EMPLOYMENT

08/2020 – Present

Facet *Founder & Lead Software Engineer*

- Architected and implemented the Facet platform. The platform enables developers to manage their features throughout the development lifecycle, for both Frontend (JavaScript) and Backend (Java) applications.
- Implemented the Facet Chrome extension, which was published in Chrome Web Store, to serve the Frontend division of the product. Established CI pipelines for autonomously managing packages & project dependencies.
- Implemented the Backend Agent SDK in Java, to manipulate bytecode at runtime using the Instrumentation API.
- Technologies: React, JavaScript, NextJS, NodeJS, Java, Go, Serverless, AWS (SNS, SQS & Cognito & DynamoDB).
- Assumed on-call duties to serving the early generation of our customers and troubleshooting workflow issues.

08/2018 – 11/2020

Trulioo *Senior Software Engineer*

- Led EmbedID, a JS micro-frontend using Serverless, AWS, DynamoDB, Terraform, Docker, Net Core 3.0, MySQL, React, NextJS, GraphQL, Ramda, EmotionJS, Jest, Webpack, NodeJS, npm, and CircleCI.
- Implemented customer facing and internal products aimed for our Engineering, Sales and Marketing divisions.
- Upgraded legacy ASP.NET MVC code to wrap ReactJS (ES8); streamlined CI/CD with Docker and CircleCI.
- Mentored my team through code reviews, day to day collaboration, lunch & learns and workshops. Led the internal chapter of software engineering with focus on frontend technologies and CI/CD & DevOps pipelines.
- Interviewed new perspective candidates and helped with the team expansion and company milestones.
- Gave presentations at international conferences, and helped developers build better and more scalable systems.
- Promoted to a Senior Software Engineer as a result of my performance and project expectations/deliverables.

09/2017 – 08/2018

Maxar *Software Engineer*

- Part of a high availability project utilized by the USA Army aimed to apply real-time 3D Map Visualizations.
- Implemented several reusable frontend components that are used across different business units.
- Technologies: Angular5, TypeScript, CSS3, Redux, Go, Docker, Kubernetes, Spinnaker, Kafka, Java, Python, Bash.

08/2016 – 09/2017

Resson *Software Developer*

- Implemented several reusable frontend components that are used across different business units.
- Implemented backend web services using Java, J2EE, Spring, JPA, PostgreSQL, Linux, Junit, TDD and BDD.
- Utilized Python and Go to streamline the analytics report generation tools for the Data Science division.
- Attention to writing highly scalable Object Oriented code implementing the OOP-GOF Design Patterns.
- Efficient in a fast-paced environment and capable of working with multiple languages and technologies.



EDUCATION

09/2015 – 05/2017

The University of New Brunswick (*Fredericton, Canada*)

- **M.Sc.** in Software Engineering. Awarded Thesis; NSERC Full-Time Scholarship & Dean's List; GPA: 3.96/4.00.
- **Thesis:** A Scalable Web Tile Management System; IEEE, Elsevier and several conference papers & presentations.

09/2011 – 08/2015

The University of Piraeus (*Athens, Greece*)

- **B.Sc.** in Computer Science. First Class (Honors) Degree. Average: 9.16/10.00.
- **Thesis:** GeoLearning - A Modern Educational Application for Android OS Devices (Awarded as best thesis 15').



CORE PROJECTS & TECHNICAL EXPERIENCE

- **LevelFilesSet 3D Web Management Framework:** A Web Framework that loads more than a billion tile images to create a virtual 3D Map by using backend data structures developed from scratch. The framework is accessible through Virtual Reality boards (Oculus Rift, Google cardboard), browsers (Google Chrome, Mozilla) and all desktop clients. LevelFilesSet, the optimized data structure, is open source for public use.
- **Lexi:** An Android editor which supports creation, deletion and editing of a document. The implementation was based on the GOF Design Patterns and reusable OOP. Lexi was awarded as the Best Project of the 17' year in the UNB Software Architecture competition. Lexi is published in Google Play Store.



ADDITIONAL EXPERIENCE AND AWARDS

- **Canadian Conference in Engineering – 1st place award:** A conceptual design of “smart” solar roads of the future.
- **First - Class Honors (Excellent) Degree in Computer Science:** Highest average of the '15 undergraduate Computer Science class, within the top 1% of the department's alumni in the University of Piraeus.



HACKATHONS & CONFERENCES

- DevWeek, API Days, JHU, GitHub Hacks, SFUHacks, SMHacks, NWHacks, PennApps, MIT