

Dimitar Danailov (a.k.a Mitco)

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[Linkedin Profile](#) | [Stack Overflow](#) | [Github Profile](#) | [Gist Profile](#) | [Codewars Profile](#) | [Medium](#) | [WebComponents](#) | [D3js](#)

[Recommendation Letters](#)



Accomplishments, Roles and Experience

- Top 4% user in [Stack Overflow](#). (My points are 9400+)
- Certificates
 - [Introduction to Mobile Development](#)
 - [Project Initiation: Starting a Successful Project](#)
 - [Containerized Applications on AWS](#)
 - [Smart Contracts by the state university of New York](#)
 - [Blockchain Basics by the state university of New York](#)
 - [Foundations of Project Management. Authorized by Google](#)
 - [Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning. Authorized by DeepLearning.AI;](#)
 - [M101JS: MongoDB for Node.js Developers. Authorized by MongoDB University;](#)
 - [Hadoop Platform and Application Framework. Authorized by University of California;](#)
- Management and Leadership skills: 8+ years.
 - Team Leader;
 - Software Architect;
 - Software Engineering Manager;
 - Blockchain Staff Engineer;
 - Fullstack JS DevOps Architect;
- Backend Developer - 10+ years
 - Nodejs Developer - 8+ years
 - .Net Developer - 2+ years
- Full Stack Developer and Front-End Developer - 10+ years.
- Blockchain Developer - 1 year

- Front-end DevOps Architect - 2 years
- Mobile Developer - 2 years
- Android Developer - 2 years
- iOS Developer - 6 months

Skills

Nodejs programming languages and frameworks: Blockchain (Web), Express, Hapi.js RabbitMQ, gRPC, WebSockets;

Front-end programming languages and frameworks: React and React Native, Nextjs, Vercel, Headless CMS, WebComponents, D3js, Xstate, Redux, Immerjs, Vanilla Javascript, Web Notifications;

Blockchain Layer 1 solutions: Algorand, Ethereum, Binance Smart Chain, Cosmos, Elrond, Polygon; Smart Contracts;

Supported programming languages and frameworks: Angularjs, Polymer, jQuery, Go, Ruby on Rails, .Net Core, Android, Swift;

Database Systems: PostgreSQL, MySQL, SQL server and MSSQL, NoSQL, MongoDB, OpenSearch, Elastic Search;

Containers and orchestration: Docker, Docker Compose, Kubernetes, OpenShift, Vagrant, TerraForm;

Build tools: Yarn, npm, Webpak, Groovy, Azure pipelines, Nx;

Cloud Providers: AWS, Azure, Google App Engine, Heroku, EngineYard, Salesforce Commerce cloud;

Experience

[The International Red Cross \(ICRC\)](#)

Company: [The International Committee of the Red Cross](#) is a humanitarian organization which is based in Geneva, Switzerland, and it is also a three-time Nobel Prize Laureate.

Role: Fullstack JS DevOps Architect (Contract)

Period: November, 2022 - Present

Responsibilities:

- Contribute to the ideation, technical design, implementation, and testing of product features that will transform the capital markets.
- Implement support for various react and react native architectures and integrate our applications;
- Produce high quality software following good architecture and design principles that are scalable. Contribute to test automation within an agile team

Technologies I used: React, React Native, Nx.dev and Monorepos, Xstate and State Machines, Formik, Yup, iOS, Android, Azure Pipelines

Propine

Company: [Propine](#) is a regulated custody and digital assets services provider for enterprises. Future proofing your institutional crypto needs.

Role: Blockchain Staff Engineer (Full Time, Remote)

Period: Sep, 2021 - August 2022

Responsibilities:

- Contribute to the ideation, technical design, implementation, and testing of product features that will transform the capital markets.
- Implement support for various blockchain architectures and integrate our applications to various native blockchains
- Design & deliver thoughtfully crafted REST APIs, interfaces and database schemas to ensure scalability, maintainability, and performance.
- Developing internal back-office website applications: front-to-back, i.e. UX, DB, APIs.
- Produce high quality software following good architecture and design principles that are scalable. Contribute to test automation within an agile team

Participate in and contribute actively to architecture reviews, code reviews, design reviews, postmortems, and raise the bar for engineering best practices across the team.

- Document changes and guides for the applications
- Setup and secure blockchain nodes, wallets and application servers
- Write scripts to automate the deployment of infrastructure
- Perform regular maintenance on servers and nodes to ensure business continuity
- On-call rotation for incidents
- Document steps and processes for the setup and maintenance of infrastructure

My accomplishments are:

- Algorand as a payment provider. Playground repo:
<https://github.com/dimitardanailov/ddanailov/tree/master/website/demos/algo-test-playground>.
Articles: [Create an Account on Algorand with Javascript \(Web3\)](#) and [Payment Transactions with algorand and web3](#)
- CosmosJS as a payment provider. Playground repo:
<https://github.com/dimitardanailov/ddanailov/tree/master/website/demos/cosmos-playground>
- Binance as a payment provider
- Xero is responsible for reconciliation of all fiat transactions. Playground repo:
<https://github.com/dimitardanailov/ddanailov/tree/master/website/demos/xero-test-ground>
- <https://www.merklescience.com> is our blockchain firewall
- OpenSearch is used to store all user transaction log events.

Recommendation letter by [Liang Zan Wong\(Co-Founder & CTO at Propine\)](#):

Mr Dimitar Danailov was employed at Propine Technologies Pte Ltd from September 1 2021 to August 5 2022 as a Staff Engineer. During his time with us, he has proven to be a reliable colleague. His strong work ethic has set a great example to the rest of the team. We would wholeheartedly recommend him in whatever endeavors he so chooses.

Technologies I used: Blockchain, Web3, eth.js, AlgorandSDK, Cosmos SDK, Elrond, Cardano SDK, XRP SDK, Soland SDK, Avalanche SDK, Web, Elasticsearch and OpenSearch, Xero SDK, <https://www.merklescience.com>, Ruby on Rails, Nodejs, Typescript, Terraform, Azure pipelines, Docker

[ElephantStock](#)

Company: [Elephantstock](#) is a top-rated online art gallery. It is our mission now, and always, to bring you wonderful, high-quality products that you can enjoy in years to come. We constantly enrich our catalog with exclusive canvas prints, original artworks, special layouts, and more innovative products and services.

Role: Software Engineering Manager, Full Time, Remote

Period: Sep, 2020 - Apr, 2021

Manager Feedback:

"Dimitar worked on our flagship project (ecommerce product categorization system) and managed to deliver high quality solutions for complex tasks, including color quantization, multilevel (tree structure) product categorization system, and catalog indexing for search engines, from research to planning and implementation. He is a fast learner and always eager to enrich his and his team knowledge with best practices and new tools" - David Tarbay

Technologies used: Angular, Nodejs, Mongoddb, React, Shopify GraphQL API, D3js, Xstate, Mpath, Tree and Graph structures

[GetCraft](#)

Company: [GetCraft](#) is a premium creative network. It's the best place to connect with creative professionals and businesses looking for projects or work.

Clients: P&G, 3M, Samsung, Allianz, Coca-cola

Role: Independent contractor, Full Time, Remote

Period: July, 2019 - July, 2020

Project information:

My direct manager was: [Alex Miller](#). The business requirements were

- Most of the people were junior or middle level. Mr. Miller gave me an opportunity to work as a React Mentor. The achievements were: Clean Code, LightHouse Report, Refactoring, Automation Testing, [Migration from React 15 to React 16](#).
- I did several technical interviews. My effort added a senior front - end developer and senior devops
- I worked two months on Google Cloud Anomaly Detection. The issue behind requirements was crypto mining
- We implemented Safari Push notification as a raw application layer
- Research and Development: How React Portal can be used.
- I worked with [Fanny Yap](#). Our missing was Homepage and navigation menu rebranding

Talk is cheap. Show me the team members feedback:

“Being a non-technical lead PM, there are a number of instances where I absolutely commend Dimitar taking the time in preparations visually and verbally to share his perspectives, recommendations and solutions, facilitating to helping me personally understand and navigate (tech) better, with a goal of improving the process between design and development. His positive agenda is to always continue to improve the performance and usability of our platform, with our users experience in mind. Where communication can certainly sometimes prove to be challenging over the initial teething period of us working with other coming from different countries, there has been good personal and professional rapport established over time, with a good number of laughs and in tow over the last few months of collaborations. Projects I have worked on with him being getting our new homepage up with the authentication and navigations, and recently our managed services feature for sales activations. **No matter what the problem is, Dimitar always starts with the right question, ie. 'Why?'. Dimitar knowledge shares,**

keeping us updated on progress and adds diversity to the way solutions are discovered. I have appreciated the time we have worked together and sincerely thank Dimitar.” - [Fanny Yap](#), Product Manager

“With his experience, Mitco able to show awesome skill, knowledge and critical thinking during working with him. He could play solo and also collaboratively which making him easier to adapt various condition and challenge. He also loves to give some advice during discussion and in the same time open for any input which making us grow together as a team. Will all of this experience, I believe he would be a great asset to any company or team. Good luck Mitco!!!” - [I Gusti Agung Gede Bayu Puspa Nugraha](#), Senior Software Engineer

“Dimitar is an expert programmer & skilful executor. He always keeps up-to-date about the latest techniques in development & dedicated to providing quality work. His energy is unlimited and his enthusiasm motivates everyone on his team (including me!). I believe that he can meet any challenge & I believe everyone would be exceedingly pleased with his work.” - Dwi Ajeng Putri P S, Front-end Developer

Technologies used: React, Webpack 2 & Webpack4, NextJs, Styled Components, Redux, Material UI, Xstate, GoLang, Groovy, Google Cloud, Safari Push Notifications, Docker, Monorepo and Lerna

[Asian Absolute](#)

Company: Founded in 2000, [Asian Absolute](#) is a quality-focused translation, localisation and marketing agency covering all markets.

Clients: University of Oxford, Guinness World Records, Microsoft, Financial Times

Role: Independent contractor, Part Time, Remote

Period: Aug, 2018 - until now

Project information:

My role is to coordinate business requirements between developers and stakeholders. My job reduces a significant amount of blockers. My work was high rated by [Henry Clough](#):

*“For 7 years Dimitar **masterminded** the development of the web app which I used to run most aspects of my language services business. **We were not an easy client but he found an elegant solution for each one of the challenges which our business threw at him.** He imposed structure and efficiency on our in-house, agency and freelance dev teams and introduced a series of new tools and technologies to make the app more resilient and effective. He’s an accomplished software architect but he doesn’t hesitate to roll his sleeves up and debug code in the middle of the night when that’s what’s needed. Dimitar is a highly intelligent and knowledgeable professional with an exemplary work ethic.”*

Technologies used: Asp.Net MVC, .Net Core, jQuery, Azure, Multi tenant architecture, [Feature toggles](#), Kusto Query Language, Grafana, Azure Log Analytics, Azure Search, Github Builds Hooks, Service-based Architecture

[MentorMate / QuestarAI](#)

Company: MentorMate has more than 500 employees with offices in Minnesota, Sweden and Bulgaria. MentorMate is the biggest IT solution provider in Minnesota.

Role: Software Architect, Onsite

Period: Nov, 2015 - Nov, 2017

Project: [QuestarAI](#) is one of the biggest assessment providers in the US.

Major project accomplishments:

[#1 D3js Researcher and team leader, June 2016 - February 2017](#)

Each kid loves to draw and this was my job. I was responsible for creating a complex D3js coordinate system. The coordinate system has several important features: Drawing a dot, line, shape, Redo and Undo, History Management. The team lead role gave me an opportunity to work with Product Managers, BA, Designer.

[#2 Position: Onsite Consultant, March - May 2017](#)

I was responsible for the communication, technical organization between the team in Bulgaria and the USA. Over the period of time: I've worked directly with the Head of Engineering and CTO of the company (QuestarAI). I was responsible for several production releases.

[#3 Position: Secure Browser Team Leader, June - October 2017](#)

Our job was to prevent kids from cheating. My team was the Guardians of the Galaxy. The job was super responsible: If the tests were not secure. The whole contract can be declined by several states in the US. The accountable numbers behind the contracts were millions.

[My manager](#) gave an excellent recommendation letter:

“Dimitar helped to build a new solution for a current product that needed revisions based on usage in a newer OS. He worked with our enterprise architect and a dedicated dev team and QA team to define requirements, ask questions, and to think ahead of our solution. He was punctual, positive, and helped to drive the process forward on a daily basis.
Thanks for your help, Dimitar!”

Technologies used: Polymer, D3js, jQuery, Nwjs, Mathjax, Objective - C, Swift, Chromebook extensions

[Wollow-soft / 158ltd.com](#)

Company: [Wollow-soft](#) / 158ltd.com is a veteran in the outsourcing marketplace in Varna, Bulgaria. The company has a history of more than twelve years.

Roles:

- CTO (June 2014 - Oct 2015)
- Team Leader (June 2011 - June 2014)
- Senior Software Developer (Jan, 2012 - June 2014)
- Developer (Feb, 2011 - Jan, 2012)
- Junior Software Developer(June 2010 - Jan, 2011)

Technologies used: JavaScript, PHP, Asp.Net, Android, iOS, Ruby on Rails, Nodejs