

DANIAL DEHVAN

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WORK INTERESTS

- Network Systems Design
- Operating Systems and Infrastructure Software
- Distributed Systems
- Cryptography and Security

WORK EXPERIENCE

Full Stack Developer

May 2023 – Aug 2023

[DigitalServers.au](https://digitalservers.au), Game servers, and networking infrastructure services in Australia

- Designed and developed a user-friendly web application, enhancing the customer experience for server rental and management
- Implemented a robust interface allowing customers to efficiently rent, configure, and monitor their servers through the web app
- Integrated real-time server status updates, providing customers with timely information on their rented servers
- Developed backend functionalities to seamlessly connect the web app with the underlying infrastructure, ensuring efficient server management

Backend Developer

Jan 2022 – May 2022

[ChannelMeter.com](https://channelmeter.com), Payment processor for creators, United States

- Led back-end development efforts using Golang, creating a robust REST API gateway for seamless client interactions
- Implemented unit and integration tests using the standard library of Golang to guarantee the reliability of the back-end software, reached more than 85 percent coverage
- Focused on payment system design, integrating widely used payment gateways such as Paypal and Stripe into the software
- Ensured compliance with security standards and implemented measures to safeguard sensitive payment information
- Contributed to architectural decisions, ensuring alignment with best practices and industry standards

Backend Developer

Jun 2019 – Nov 2021

[Mentalwill.com](https://mentalwill.com), Property delivery service after passing away, United States

- Designed, implemented, and optimized critical features in the Golang-based Microservices, ensuring performance and scalability
- Contributed significantly to the back-end development, utilizing Golang to enhance system functionality and efficiency
- Implemented robust web security measures, ensuring the protection of sensitive user data and compliance with industry standards
- Contributed in Linux system administration, optimizing server configurations and ensuring high availability
- Worked closely with stakeholders to define project requirements and implemented innovative solutions for streamlined property delivery services

Full Stack developer

Jun 2018 – jun 2019

[Touchbase.id](https://touchbase.id), Diversifying online presence and fostering a responsible social media community

- Developed and maintained core features of the Touchbase platform, implementing a diverse range of functionalities for users to enhance their online presence
- Contributed to the full stack, employing technologies such as react and node.js
- Designed and implemented security measures to prevent and mitigate malicious activities, with a focus on user account safety and data integrity
- Integrated and maintained a robust reporting system within the platform to address rule violations, facilitating user reporting and ensuring swift and appropriate action

EDUCATION

Master's degree in Computer Engineering

Oct. 2021 – Present time

Politecnico di Torino

- * Pathway: Software engineering

ACADEMIC AND PERSONAL PROJECTS

- * (Ongoing) A trading bot that uses machine learning, technical analysis, and statistics to predict price changes in the future.
- * (Ongoing) Working on a new VPN protocol that focuses on obfuscation to tackle regional internet censorship (Iran, China, ...) by using several techniques such as random variable handshake frames, faking the connection as if it's a request to public common server like google
- * A task tracker app simpler than sophisticated tools like trello, clickup or jira for managing the projects.
- * Implemented a groundbreaking COVID-19 diagnostic model using TensorFlow and advanced machine learning techniques, analyzing cough sounds through scientific signal processing algorithms. Enhanced diagnostic accuracy through rigorous scientific methodologies, contributing to the forefront of healthcare and artificial intelligence research

SKILLS

English

Fluent, CEFR Level: C1

- * Toefl Overall Score: 101
- * Reading: 30, Listening: 23, Speaking: 23, Writing: 25

Programming Languages

- * Go
- * Javascript
- * Python
- * C/C++

Back-end and Databases

- * Node.js
- * Express.js
- * Golang HTTP Frameworks (http2 lib, Echo, Mux, ..)
- * PostgreSQL
- * MariaDB
- * MongoDB
- * GraphQL
- * GRPC
- * WebSockets
- * REST Standards
- * OpenAPI

Front-end

- * React
- * HTML5
- * CSS3
- * Bootstrap
- * Tailwind

Infrastructure and DevOps

- * Docker
- * AWS (EC2, S3, SNS, SES, EBS)
- * Linux System Administration