

Pierre DiAvisoo  
Full-Stack Software Developer / 39 years old

I have nearly two decades of experience in software development and management, offering a self-motivated and hands-on approach to problem-solving. As a Jack-of-all-trades with a broad range of skills, I am known for my ability to adapt and continuously improve, earning the reputation of a wizard among my colleagues. With international experience working with companies in the US, India, and China, I am well-equipped to handle diverse and complex projects.



## Recent work

*DiAvisoo Solutions AB, Owner, 2019 - present*

- Main client is a Salt Lake City-based company in the US
- Offer contract work for maintenance of existing online applications and backend solutions
- Develop in-house apps for Android, iOS, and web, integrating payment systems and creating APIs
- Latest project: an online tool for creating interactive videos that can be monetized (<https://xroad.app/>)

*Centiro Solutions AB, Senior Programmer, 2018 - 2023*

- Contribute to the development of cutting-edge supply chain technology that bridges the gap between carriers and customers
- Utilize a variety of technologies, including C# (.NET), Azure, Octopus, SQL, JavaScript, and machine learning algorithms
- Mentor new recruits, educate colleagues from India, USA, and Sweden on internal projects, and continuously improve programming skills
- Designed and created a path-finding application utilizing genetic algorithms to minimize delivery routes for carriers
- Implemented new technologies such as Flutter, used to create new projects in-house

*Instant Systems Sweden AB, Software Engineer, 2015 - 2018*

- Worked with a small and dedicated team to deliver cloud-driven, global network of machines utilizing a range of programming languages and tools
- Maintained and expanded a codebase exceeding a million lines of code
- Contributed to the development of the Instant Systems self-checkout system, utilizing 3D cameras and sensors to track customer movement and create an accurate virtual shopping cart for a fast and reliable shopping experience

## Picks from previous work and projects

### *Spritz, Reading App for iOS and Android, 2022*

- Developed a unique reading application with a revolutionary reading method that is beneficial for speed-readers and those with slow reading speeds.
- Implemented using React Native for cross-platform compatibility, ensuring seamless functionality on both iOS and Android devices.
- Spritz received recognition from prominent news outlets including Forbes, TED Talks, The New York Times, and Wall Street Journal.
- Learn more: <https://spritz.com/>

### *Spritz, Web Extension for Chrome and Safari, 2022*

- Created a web version of the Spritz reading app to enhance users' reading experience on any website.
- Utilized several frameworks and tools such as VueJS, Firebase and NodeJS
- Enabled users to select text on any web page and display it using the Spritz reading method, providing a more efficient and enjoyable reading experience.
- Learn more: <https://spritz.com/>

### *Coloring Book Stories: Kingdom, iOS story-driven coloring book for children, 2016*

- Utilized a highly professional open-source painting engine based on OpenGL
- Incorporated a gamification element, soft-trailing that adapts to drawing speed, instant video playback of colored pictures, and a playful graphical user interface for children ages 4-6
- Implemented dynamic, downloadable content and an in-app purchasing system utilizing Apple Hosting, php-based receipt verification, and content update notifications
- For a video demonstration, see <https://vimeo.com/135623745>

### *Freelance web-development project for a Swedish fitness community, 2015*

- Involved several improvements and added functionality for a community with 80,000 unique users
- Created project management routines based on SCRUM and conducted architecture analysis, budget estimation for software migration, and cost-effective server setup research
- Completed the project within the time and budget constraints

### *ReadMe!, iOS/Android eBook reader, 2014*

- Designed and developed a new ebook-reading app for iOS and Android
- Integrated advanced reading technologies to create a complete reading experience with in-house-developed cloud synchronization of books and bookmarks across devices
- Utilized AWS and custom-made micro-services
- Integrated online payment system that enabled users to purchase using credit card, PayPal and several other payment methods
- Has attracted 150k+ users
- Project was eventually sold to a US company
- Featured by Reuters and other news outlets (<https://www.readmei.com>)

*PanSoft, Internship in Jinan, Shandong (China), 2012*

- Tasked with extending the reach of an in-house-developed business intelligence system from desktop to mobile environment (iOS)
- Assigned as project leader with both Swedish and Chinese employees reporting to me
- Led research on equipment requirements, educated team in Objective-C, and developed a working prototype in just two weeks
- Project was a big success, with the company's customer purchasing the product and the company hiring more people because of it

*Social Media Platform/Generation Tool, circa 2004*

- Conceptualized, designed and developed a social media platform from scratch, including creating the front-end and back-end systems.
- Platform attracted several thousand users
- Created a tool to create an instance of the platform, allowing users to generate their own, fully customized, social media platform
- Completed all aspects of the project, including frontend, backend, and devops
- Installed physical stack servers in a server farm (as cloud servers were not readily available at the time)
- Servers were running Linux and OpenBSD and served all backend software
- Included monetization methods such as integrating SMS-service for users to send messages from their mobile phones to the website and broadcast it to all online users
- Technologies used: Linux, Apache, MySQL, PHP, Javascript etc.

## **Skills**

As a seasoned software developer, I am skilled in a wide range of programming languages and professional applications, with extensive experience in daily development utilizing .NET, Java, Javascript and other front-end and back-end solutions. My versatility in software development and application usage allows me to bring a unique and well-rounded perspective to any project. Key strengths include:

- Operating Systems: Proficient in Mac OSX, Windows, Linux, FreeBSD, Unix, iOS, Android and other operating systems.
- Graphics: Skilled in utilizing Adobe Photoshop, Adobe After Effects, Gimp and other graphic design tools.
- Application Programming: Proficient in C#, Objective-C, Swift, Java, Bash, JavaScript (NodeJS etc.) and other programming languages.
- Web Development: Experienced in .NET, PHP, Javascript, HTML, CSS and other web development technologies.
- Databases: Proficient in managing databases, including MySQL, MSSQL, Access, File-based etc.

## **Education**

University of Borås, 2010-2013, Computer Science (System architect)

University of Gävle, 2013, 3D-modelling and animation in Open Source-environment

Luleå University of Technology, 2013, Game- & application-development on iPhone

Shandong Jiaotong University, Jinan (China), 2012, Cryptography, Internship in Software Engineering

Tianjin University, Tianjin (China), 2013, Chinese language studies

Tzu Chi University, Hualien (Taiwan), 2013, Traditional Chinese language studies

## **Language proficiency**

Swedish: Native language

English: Fluent

Chinese: Beginner

## **References**

Available upon request.

## **Besides work?**

Beyond my professional pursuits, I am an avid enthusiast of the principle that "if you love what you do, you'll never work a day in your life." To that end, I enjoy spending time with my two primary school-aged daughters, participating in board games and other family activities.

I am also a seasoned traveler, with a diverse and extensive travel history. This includes a solo journey throughout Europe on a bicycle for several months, where I engaged in camping and preparing meals over an open flame until finally reaching Istanbul, Turkey.

I've also gone on backpacking excursions through Asia, exploring Tibet and Taiwan among other places. These experiences have contributed significantly to my personal growth and have enriched my life with a broad perspective of the world and its cultures.

Recently, I have been completely fascinated by the power of ChatGPT, the language model developed by OpenAI. I see it being inevitable that everyone, including programmers like myself, using it as a tool in a very near future to leverage work performance. As such, I'm already experimenting with it daily, utilizing OpenAI's API but also running versions of GPT locally on my computer.