

Dmitrii Artemev

Wellington-based fullstack software developer with 15 years of experience and a strong interest in machine learning

Master of information technology

Visa status: open work visa valid until December 2027

Contacts Details:

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Personal Statement:

To join an innovative team as a Fullstack Developer, utilizing extensive experience with React and the MERN stack (MongoDB, Express, React, Node.js) to design and develop scalable, efficient applications. Enthusiastic about integrating machine learning and predictive analytics into web applications to enhance user experiences and deliver innovative, data-driven solutions. Committed to continuous learning and staying at the forefront of industry trends and emerging technologies. Highly motivated to contribute to challenging projects within a collaborative and professional team environment.

Skills:

- Frontend Development: Proficient in modern frontend technologies, including React(JavaScript/TypeScript), Redux toolkit, Material UI, and TailwindCSS, with a strong foundation in CSS methodologies like BEM. Previously worked with jQuery, Bootstrap, and ASP.NET (VB, C#)
- Backend Development: Skilled in creating server-side logic and APIs using Node.js with Express, Python (Flask).
- Database Management: Experienced in managing and querying relational and non-relational databases, including MS SQL, MySQL, MongoDB, Google Firebase.
- DevOps: Git, CI/CD pipelines, Google Cloud.
- Code Practices: Committed to writing clean, reusable, and maintainable code with a focus on scalability, efficiency, and readability. Ensures robust, future-proof solutions by adhering to industry best practices.
- AI/ML: Proficient in using frameworks like TensorFlow and PyTorch for building machine learning models. Experienced with data analysis and visualization tools, including Pandas, NumPy, and Matplotlib. Strong understanding of core algorithms, such as linear and polynomial regression, outlier detection methods, and techniques for effective dataset processing.

Work experience:

AWESOME GROUP (US, WORKING REMOTELY) - FULLSTACK DEVELOPER (Jan 2025 - Present):

Job Summary:

Experienced full-stack developer specializing in frontend and backend development for investment and stock market applications. Designed and implemented key features for Heyticker.com, enabling users to create and manage stock market contests while ensuring high performance and scalability.

Project: Heyticker.com

An interactive stock market competition platform where users create virtual investment portfolios, participate in weekly contests, and track their performance based on live market data.

Role & Responsibilities:

- Developed and optimized both frontend and backend solutions.
- Built features allowing users to create and manage stock market contests.
- Collaborated remotely with a cross-functional team to deliver high-quality features on schedule.

Key Achievements:

- Designed and implemented the custom stock market contest feature, increasing user engagement and retention.
- Effectively collaborated with a cross-functional remote team to consistently deliver key features on schedule, contributing to the platform's steady growth.
- Redesigned and optimized part of backend logic to enhance efficiency and scalability.

Tech Stack:

- Frontend: Alpine.js, TailwindCSS, Fetch API.
- Backend: Python, Flask, python-dotenv.
- Database: Firebase, Google Cloud Firestore.
- Other Tools: Git, Trello.

HAYS RECRUITMENT (NZ, ON SITE) - GENERAL LABOURER (Dec 2024 - Jan 2025):

Working as part of a team of builders and contractors on demanding construction sites, I quickly adapted to a fast-paced environment where clear communication and teamwork are essential. My role involved preparing materials, assisting with structural assembly, lifting heavy loads for tradespeople, as well as site preparation and cleanup — all within tight deadlines. This experience gave me a deeper understanding of the importance of precision in execution. The physically demanding nature of the job has strengthened my ability to stay focused, solve problems on the go, and collaborate effectively in a rapidly changing environment.

GORPROEKT LLC. (RU, ON SITE) - CHIEF PROJECT ENGINEER (May 2018 - February 2024):

Job Summary:

Full-stack developer with expertise in building scalable web applications, AI-driven solutions, and workflow automation tools. Designed and developed an AI-powered floorplan generator, leveraging machine learning to automate architectural design, boosting order volume by 20% and reducing design errors by 30%.

Led the development of an internal Trello replacement, ensuring seamless task management after Atlassian's exit from Russia. Focused on backend architecture, API development, and database management, while collaborating with cross-functional teams to maintain high performance and usability. Additionally, developed high-performance single-page applications (SPA), ensuring interactivity, responsiveness, and a seamless user experience.

Project: Internal Trello Replacement

Developed an internal task management system to replace Trello after Atlassian's exit from Russia. Worked within a small agile team, primarily focusing on backend development while contributing to frontend tasks.

Role & Responsibilities:

- Led the development and coordination of the project, ensuring timely completion of tasks.
- Defined the project roadmap, key milestones, and deadlines.
- Designed and reviewed backend architecture, selecting technologies, setting up server infrastructure, and managing databases/APIs.
- Contributed to full-stack development, covering frontend, backend, and database management.

Key Achievements:

- Integrated real-time task updates, enhancing team collaboration and reducing task processing delays.
- Ensured seamless migration from Trello, successfully onboarding all teams without disrupting existing workflows.

Tech Stack:

- Frontend: React, TailwindCSS, socket.io
- Backend: Node.js, Express, MongoDB.
- Other Tools: Git.

Project: AI floorplan generator

Led the development of an AI-driven floorplan generator, integrating machine learning models that increased order volume by 20% and reduced design errors by 30%. Enhanced collaboration between architects and engineers by streamlining workflows and automating floorplan design.

Role & Responsibilities:

- Leading the development and architecture design for the AI-powered floorplan generation platform, including hands-on coding for backend services, APIs, and database management.
- Developing and maintaining machine learning pipelines, training and fine-tuning GAN models, and integrating them with the platform's core functionality.
- Building and optimizing frontend components using React, ensuring seamless user interactions for floorplan customization and real-time updates.
- Writing and reviewing code for critical system components.

- Coordinating interdisciplinary teams, including software developers, AI researchers, and architects, to achieve project goals efficiently.

Key Achievements:

- Developed an AI-driven floorplan generator, integrating GAN models that improved architectural design efficiency, increasing order volume by 20% and reducing design errors by 30%.
- Integrated real-time user interactions using React, ensuring a smooth and intuitive experience for modifying and optimizing floorplans.
- Led a cross-functional team of AI researchers, developers, and architects, successfully delivering the project within tight deadlines.
- Optimized backend services and APIs, reducing response times and improving system scalability for handling large architectural datasets.

Tech Stack:

- Python: Core language for AI/ML development, including GANs, graph-based methods, and hybrid approaches.
- TensorFlow/PyTorch: Training and deploying advanced AI models for floorplan generation and optimization.
- TypeScript/JavaScript: Used for frontend development to ensure responsive and intuitive user interactions.
- React: Built a flexible and interactive UI, allowing users to customize floorplans in real time with precision.

AKD-GROUP LLC (RU, ON SITE) - FULLSTACK DEVELOPER (JULY 2013 - MAY 2018)

Job Summary:

Contributed to the development and maintenance of approximately 15 diverse websites, ranging from simple SPAs to complex e-commerce platforms. Worked with clients to deliver scalable solutions, integrating payment gateways, inventory systems, and user accounts, and improving customer engagement.

Role & Responsibilities:

- Developed responsive and interactive web interfaces using React, Bootstrap, and jQuery, improving user engagement and usability.
- Built scalable backend solutions with ASP.NET, implementing secure authentication, database management, and API integrations.
- Designed and implemented RESTful APIs to streamline communication between the frontend and backend.
- Delivered e-commerce solutions with integrated payment gateways, inventory management, and user account functionalities.

Key Achievements:

- Successfully contributed to the development and maintenance of 10 web applications, ensuring stability, optimized performance, and an enhanced user experience.
- Developed a reusable component library and a set of utility classes, streamlining the development process and ensuring consistency across multiple projects.
- Implemented a modular architecture, enabling faster project setup and reducing redundant code across various web applications.

Tech Stack:

- Frontend: React, Bootstrap, jQuery.
- Backend: ASP.NET, Node.js, Express.
- DBs: MS SQL, MySQL.
- Mobile Development: React Native.
- Other Tools: Git, Trello, Figma, PixelPerfect.

GORPROEKT LLC (RU, ON SITE) - FULLSTACK DEVELOPER (APRIL 2008 - JUNE 2013)**Job Summary:**

Experienced in web development and IT infrastructure management, specializing in ASP.NET-based applications and enterprise solutions. Led the design, development, and maintenance of a long-standing urban planning information system, ensuring its continued relevance and impact. Additionally, optimized IT department workflows, solved critical technological challenges, and implemented strategic IT initiatives to align with business objectives. Strong expertise in frontend and backend development, server administration, and network infrastructure support.

Role & Responsibilities:

- Developed web applications using ASP.NET, jQuery, and Bootstrap, ensuring functionality and responsiveness.
- Designed, developed, and maintained an urban planning information system, which remains in active use, demonstrating its long-term impact.
- Streamlined IT department workflows, addressing technological challenges and implementing tactical solutions to enhance operational efficiency.
- Led strategic IT planning, aligning technological initiatives with business objectives.

Key Achievements:

- Developed and maintained a mission-critical urban planning information system, which remains actively used, demonstrating its long-term reliability and impact.

Tech Stack:

- Frontend: JavaScript, jQuery, Bootstrap.
- Backend: ASP.NET.
- Infrastructure: Windows Server, Active Directory (AD), Exchange Server.
- Other: Network hardware support.

DISPLAY LLC (RU, ON SITE) - FULLSTACK DEVELOPER AND ICT SERVICE MEMBER (MAY 2005 - MARCH 2008)**Job Summary:**

Experienced full-stack developer with a strong background in ASP.NET web development and GIS automation. Designed, developed, and maintained business-critical websites, ensuring high usability and performance. Enhanced ArcGIS software with custom automation modules, improving efficiency for local authorities and service providers. Additionally, collaborated with the ICT team to resolve software, hardware, and network challenges, contributed to infrastructure maintenance, and supported the adoption of new technologies to align with business goals.

Role & Responsibilities:

- Designed, developed, and maintained ASP.NET-based websites, ensuring usability, performance, and business alignment.
- Developed automation modules to enhance ArcGIS functionality, improving efficiency for local authorities and service providers.
- Collaborated with the ICT team to resolve software, hardware, and network-related issues, ensuring seamless system operations.
- Assisted in infrastructure maintenance and the implementation of new technologies to support business objectives.

Key Achievements:

- Developed and integrated a custom ArcGIS automation module, increasing mapping efficiency.
- Provided critical support for ICT infrastructure, reducing downtime and improving system reliability.

Tech Stack:

- Frontend & Backend: ASP.NET, JavaScript.
- Geospatial Software: ArcGIS, VBA.
- Other: Geographic Information System (GIS) development.

Education:

- Master of Information Technology, Whitireia and WelTec, 2024, GPA (3.83/4).
 - Applied research project: Using AI in the Conceptual Design Stage of a Building Information Model.
- Completed courses on cloud technologies, earning certifications in AWS Academy Cloud Architecting and Cloud Foundations.
- Intelligent systems, at Peter the Great St. Petersburg Polytechnic University, 2023, GPA (4/4).
 - Applied research project: Image Classification System.
- Institute of Mathematics and Informatics Yakut State University, Yakutsk, 2002-2007 (Specialty - Mathematician, system programmer).

Interests:

I enjoy spending my free time with my family, hiking, fishing, and walking our dog, [Fozzy](#). Growing up in Yakutia, I developed a deep appreciation for nature and its untouched beauty, and I've found the same sense of wonder in New Zealand's landscapes. On weekends, I love exploring the great outdoors around Wellington, especially the waterfront, Botanic Garden, Central Park, and Red Rocks, discovering new trails and admiring the country's unique flora and birdlife. These activities allow me to stay active, reconnect with nature, and enjoy quality time with my loved ones.

References:

- Jon Vlachogiannis (jon@awesomehq.com, +1 (415) 283-5417, Awesome group in USA, LA).
 - When it's Monday 10:00 AM in Wellington, it's Sunday 1:00 PM in Los Angeles.
- Dr. Abubakar Siddique (abubakar.siddique@weltec.ac.nz), WelTec Institution.
- Dr. Antony Bryce (bryce.antony@weltec.ac.nz), WelTec Institution.