



# DEERHOLD JAPAN

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We design, build and deliver price-competitive, robust and scalable software solutions to our clients, ranging from small firms to large enterprises and dynamic startups.

## BECOME A DEERHOLD JAPAN CLIENT

Give us a call or send us an email to schedule a meeting.

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## ABOUT US

**Deerhold Japan** is a wholly owned subsidiary of Deerhold, and a global software services company headquartered in the United States. Deerhold's sister company, Deerhold Japan, is a global software products company that has been working in the area of data analytics and software development for over a decade. With such extensive knowledge and experience in data science and web/mobile application development, Deerhold Japan aims to fulfill the software development resources gap in both the private and public sectors in Japan.

The company strives to bridge the resources gap by deploying engineers at the client's site and outsourcing the client's software development needs to the offshore center in Kathmandu, Nepal. Our offshore center is in one of the most modern campuses in Kathmandu, Nepal with 500 plus professional software developers. The campus also has a computer science college with around 350 undergraduate level students. In addition, to support the Japanese language skills of our Kathmandu-based Deerhold Japan engineers, Deerhold Japan Center, an on-campus Japanese language and culture training facility managed and run by native Japanese instructors train our engineers in Japanese language and culture.

Deerhold Japan's huge offshore presence in Kathmandu, Nepal makes it easier for Deerhold Japan to provide its customers with cost-effective and flexible services. Furthermore, Nepal Time (GMT+5:45) is only 3 ¼ hours behind Japan Standard Time (GMT+9), and this short time difference makes Nepal a convenient offshore destination for Japanese clients. With a strong track record and diverse experience of over 20 years in the software industry in delivering quality products using offshore resources, and our firm commitment to support the software services in Japan, Deerhold Japan is ready and excited to serve the Japanese market. We will take every opportunity we have in Japan and work with you to fulfill your software needs with top quality and cost-effective software services and solutions.



Deerhold Japan's objective is to help fill in the software development resource gap in Japan.



## Our Expertise

### Web Application Development

We have extensive experience in building web applications for organizations, both large and small, using a fully open source stack with Java, Groovy on Grails as well as Microsoft stack with .NET MVC. The client end features a combination of HTML, CSS, and JavaScript with extensive use of jQuery. We have adopted HTML5 and CSS3, keeping browser compatibility in mind. The expert use of these technologies coupled with our scalable MVC development model on the server-side creates flexible, easy-to-maintain, and high-quality web applications. Our development methods and expertise are well-suited for building complex yet highly responsive and flexible applications.

### Mobile Application Development

We build both iOS (iPad/iPhone) and Android applications for mobile devices, as well as applications that can run on iOS and Android when cross-compatibility is desired. Our experience in server and web application development ensures that we build a completely connected infrastructure to meet your mobile application needs. We apply tried and tested development methods for mobile application development, just as we do for server, desktop, and web application development.

### Data Analytics

We have substantial experience in handling data of all types for customers across many industries. You can leverage Deerhold Japan's experience and our global services team to convert the data you receive from partners, vendors, or legacy applications into any format you require. Implementation times vary project-wise, but our experience guarantees the fastest possible implementation at the lowest cost. The rules driving the transformation cycle are as follows:

- Never change client data

- Perform extensive quality control at every phase

- Document the exception list at each step and share with the client



## IoT Service

We deliver robust and secure IoT solutions that are driven by device-generated data, complying with all the industry standards. Years of close collaboration with IoT implementers and experts has helped us to hone our engineering skills and deeply understand the industry-specific issues. Let our team of IoT experts step into your development process and bring an immediate value at any stage.

## Cloud Computing

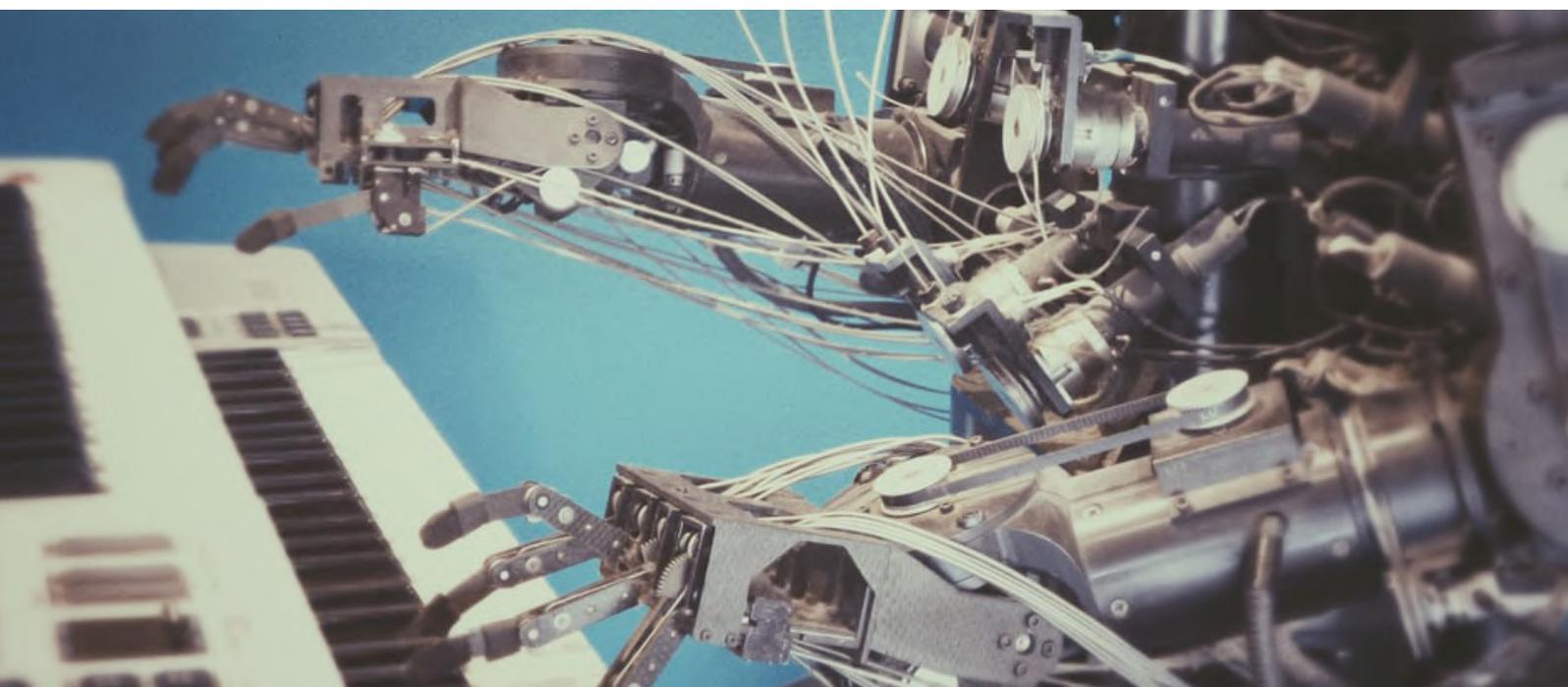
We leverage our deep expertise in Cloud Computing to help customers across the globe to define, execute, and manage their Cloud journey. We offer a dedicated team of Cloud & DevOps experts catering to our clients across Cloud Professional Services, 24X7 Cloud Managed Services, and Cloud Spend Management Services.

## UI/UX

We consolidate interactive applications with the most relevant design trends to convey a custom-fitted product. From web to mobile to UI/UX, we guarantee that your digital presence will help you achieve your business objectives.

## Machine Learning

We have strong capabilities in data analysis to automate analytical model building using Machine Learning. Our team's proficiency in Python allows them to take advantage of the various open-source modules that are an essential part of the Machine Learning ecosystem: NumPy, Pandas, and Scikit-Learn. Based on our understanding of statistics, we have used logistic regression for making predictions models. The team has further expanded its capabilities in Deep Learning by using artificial neural networks. This has allowed our team to gain cogent experience in using TensorFlow integrated with Keras API to build and train deep learning models.



## Big Data

Our data center team is adept at handling raw, unsorted data using Hadoop. Depending on the complexity and portability requirements of the project, we can integrate Cascading over the Hadoop API to execute data processing workflows. Our projects have implemented a NoSQL distributed database such as Elasticsearch to meet the demanding workload and low latency requirements of real-time engagements. Data sets are then run through various queries using Apache Spark for training machine learning algorithms.

## WordPress Development Services

We have a team dedicated to website design and content management platform development using WordPress. Our team provides high-quality custom WordPress development services. Our experienced WordPress website developers have created many WordPress add-ons. The services we provide include developing different plugins for different features, creating multi-faceted themes and templates, optimizing your website for SEO, and making it more responsive across different platforms.

## Genomics

Our Genomics department provides a set of specialized services including the curation and analysis of sequence variants and the validation of the clinico-genetic content of genomics software. Since 2006, our Genomics team – comprising experts in human genetics, genomics, and bioinformatics – has delivered high-quality analysis and research reports to support a variety of clients in a variety of clinical settings. The team's educational backgrounds in Life Sciences and Biotechnology, top levels of proficiency in sequencing technologies, and strict adherence to privacy standards underscore Deerhold Japan's commitment to quality. Other key advantages for clients include rapid turnaround time and cost-efficiency.



## Service Model

Deerhold Japan is flexible and works diligently to meet its clients' quality and budget expectations. Deerhold Japan works with customers in two original engagement models, Outsourcing and On-site Development.

**1. Outsourcing:** In this model, Deerhold Japan's team in Tokyo works closely with clients to understand their specific needs and collaborates with the offshore team to prepare a Statement of Work (SOW). Once a client approves the SOW, the service will be conducted under either the engineer for the rent model or the fixed cost model.

**a. Engineer-for-Rent Model:** Under this model, the client agrees to hire a certain number of engineers for a certain number of months. The offshore team either works as an extension of the client's team or independently under the direction of the client. This model is usually used for agile software development.

**b. Fixed-Cost Model:** Deerhold Japan quotes the cost in advance and delivers the prime quality product within the budget and deadline instead of the SOW.

**2. On-Site Development:** Through our experiences, we found that many of Deerhold Japan's clients prefer engineers on-site in their offices. Under this service model, the client specifies the type and number of software developers they need. Within a 60 to 90-day period, Deerhold Japan then sponsors visas for engineers with a 4-year undergraduate degree and a bare-minimum level of Japanese (N5) to be made readily available at a client's office. To provide service under this model, Deerhold Japan requests at least 90 days' prior notice and a minimum 1-year commitment from each software developer.



### Global Presence

Offices in the US, Japan and Nepal



### 500+ Skilled Software Engineers

Offshore/Onshore Engagement Model, Web & Mobile Application Development, Big Data Analytics, Machine Learning, IoT Services, Cloud Computing, UI/UX Design, 3D Modeling, Animation, Online Security Assessments, Genomics, Project Management, Software Testing



### Proven Leadership

Leadership that has created two successful companies and state of the art technical Institute for training resources

# Message from Our Chairman, Rudra Raj Pandey, Ph.D.

*We have started our operation in Japan after providing software services and products to US clients for over two decades. We successfully leveraged the abundance of software engineers in Nepal to fulfill the gaps in information technology resources in the US. Our model in the US market can be even more efficient in Japan given the time difference is of only about three hours between Kathmandu and Tokyo. Deerhold Japan will help the Japanese companies of all sizes from different verticals to cut their software development costs while creating more high-skill jobs for the young and growing pool of software engineers in Nepal.*

*Our clients can bring some engineers to their office in Japan and allow others to work from our office in Kathmandu, Nepal to maintain onshore and offshore balance, as per their business needs and budget constraints. We are in Japan for the long haul and have invested in Japanese language and business practice training for our engineers in Nepal. We are grateful for the support from our early customers and partners and look forward to the continued growth of these partnerships.*



## Words from Our Clients

“When we visited Nepal to secure our software outsourcing partner, we spoke to many companies and experts from different industries to understand the Nepali software development market. Through our research and interviews with industry experts, we discovered that Deerhold Japan was the only company in Nepal with a track record of well-managed offshore development. We could recognize their top level of services, and we felt we could trust Deerhold Japan as a partner to work together.”

“Deerhold Japan has over 20-years of experience in the IT field in the United States, and it also has a computer science college in Nepal where they foster talented engineers. We knew we wanted to work with members of Deerhold Japan.”

## What is Your Feedback about Deerhold Japan and its Engineers?

“We are grateful that Deerhold Japan immediately introduced us to excellent human resources at a low cost. We were happy to see that Deerhold Japan’s engineers were highly skilled and detail oriented. Deerhold Japan is a reliable partner!”

## Any Comments about Characteristics and Performance of Deerhold Engineers?

“Although the quality of code and the quality of work differ depending on the engineers, the level is generally high, and they have high work ethics. We are satisfied that we can fully rely on them. Their Japanese language skills are gradually improving. We have faced no challenges as we do not find it difficult to communicate with them in the Japanese language.”

“Nepali engineers are pleasant and easy to get along with. They have a serious attitude toward work, like the attributes of a Japanese worker. Their language acquisition ability is high, and the language barrier is never a problem while working with them.”

## Our Clients

