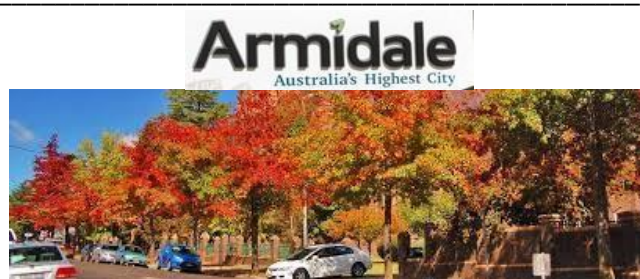# Agricultural Business Research Institute
World Leading Agribusiness Software
AGRIBUSINESS INFORMATION SPECIALISTS

The Product:

The end users are farmers, improving their business practice by streamlining data entry requirements, herd management and performance monitoring of animals. We are empowering farmers around the world with mobile friendly technology to enhance their business.

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The Region:

The Region:

- Extraordinary outdoor lifestyle town over 10 National Parks within 90 minutes to camp, fish, hike, mountain bike, rock climb, canoe and even windsurf. 4 Mountain Bike parks, rowing club etc UNE has many clubs available to the public, half a dozen wineries and 3 micro-breweries, as well as the adventure club for new outdoor enthusiasts to get involved.
- For those with little ones: There is a kindy gym, amazing and affordable day-cares, many Fun-tastic playgrounds and parks with parent social groups, Steiner school + a Co-ed private (The Armidale School) and 2 X Private Girls Schools (PLC and NEGS) or also the new Armidale Secondary College high school.
- For partners: Hunter New England Health is a big employer, as well as the University and TAFE with the new TAFE digital headquarters. Armidale is Australia's Ag Tech hub with NSW Department of Primary Industry and CSIRO on a recruitment drive lately too. A great place for start-ups with the UNE SMART Region Incubator pumping money into start-ups as well as providing office space and support.
- Cost of living and housing in the region, is enough to thrive for young families that have a parent at home with the kids.
- ABRI is located right on the mountain bike trailhead that is hosting the World Endurance Mountain Bike Championships in 2020, looking over the UNE sports grounds (Tennis, indoor pool, hockey centre, rugby fields, and a marked Park Run that gets about 200+ runners weekly). A University campus to relax over lunch or continue extra-curricular studies. View Kangaroos, wallabies and even the occasional Koala out of your office window.

Senior C# ASP.NET MVC Developer

ABRI is a world leader in Agricultural software systems, located on the beautiful University of New England (UNE) campus in Armidale. Our software and agribusiness solutions are used for enhancing the genetic value of livestock, improving business practices for animal breed societies and streamlining herd management for farmers in all corners of the world.

Armidale is a unique regional City, with many schools, an award-winning University, and is surrounded by world class National Parks. The ABRI office is located upon miles of mountain bike trails through native bushland and is just a short walk from the UNE sports complex and grounds.

The Opportunity

We are looking for a motivated and experienced developer that is willing to take on new challenges and be part of our modernisation team. As a developer within the new International Livestock Registry (ILR) re-development team, you will play a core role in growing and supporting our newest ILR web application; and migrating existing functionality from previous generation products into a modern cloud-based web application solution.

Our existing ILR software is a mature product used at the core of cattle breed associations for recording and maintaining their membership, animal ownership, performance and genetic data and facilitating the genetic evaluation of those animals. This opportunity will allow you to use, and grow your expertise, in modernising and enhancing existing products as part of our long-term strategy to move our software products into the cloud. Example projects include:

- Integration of new payment gateway solutions to our existing online payment factory that currently supports PayPal, E-way and Authorize.NET payments.
- Requesting genetic evaluation kits for animals through a streamlined web request facility
- Improving performance across the stack of animal searches on some of the biggest livestock databases in the world

Responsibilities

Daily life involves developing new features or bug fixes, monitoring of issue collectors and correspondence with the team and customers to solve problems. You will use agile tools to keep track of progress, as well as monitor log alerts and crash reports for released software in production environments.

You will also be responsible for bigger projects as part of our long-term modernisation strategy to move previous generation desktop software functionality into the new web application.

You are required to work on every part of the stack – the team has no pure frontend engineers. If you're someone who likes to work on new technology and learn new areas of your work projects to challenge yourself, our company is perfect for you.

Technologies

- C#
- .NET 4.6
- ASP.NET
- MVC5
- WebAPI
- NoSQL
- SQL
- HTML5 / CSS3 / Javascript
- Vue.js
- IdentityServer

Skills & Requirements

- 5+ years of experience as a .NET developer (3+ years in a senior position)
- Strong knowledge of OOP and the Microsoft stack: C#, .NET 4, ASP.NET, MVC5, WebAPI
- Sound knowledge of SQL and store procedures is a must with PostgreSQL experience favourable
- Knowledge of HTML5/CSS/JS/Ajax is a must
- Experience with NoSQL or equivalent SQL libraries is a must
- Dev-ops skills and experience is a plus (production deployment, continuous integration monitoring and testing)
- Knowledge of oAuth / OpenID / IdentityServer is a plus
- BuildMaster experience a plus
- StackOverflow or GitHub reputation related to .NET is a plus
- Knowledge of Vue.js or AngularJS is a plus
- Experience with Agile tools and processes is a plus
- Excellent English communications skills and able to communicate with team members, backend developers and customers to solve problems
- Positive, customer-service minded, with analytical and problem-solving skills
- Eager to learn new technologies
- Self-motivated, creative, able to take the initiative
- Bachelor's Degree or higher in Computer Science/Engineering or related field of study

The Job:

- We are looking for someone with 5+ years C# experience developing within the ASP.NET MVC framework for a good chunk of experience.
- Ideal candidate is happy to wear multiple hats for the next year or two, working closely with the Manager to support, develop features and improve QA of their new web application which will be used globally, and by tens/hundreds of thousands of end users (farmers) if fully adopted by existing customers.
- In the longer term (2+ years), this role can evolve into 'the' Senior developer of the ILR feature development team, as the company grows the product and team, whilst taking over the development from the NZ outsourced developers. There are also other internal opportunities down the track (DevOps and Systems Admin to move all infrastructure into the cloud, customer and support team training etc. This is a global, 24-hour product).
- The company want to build a culture from the ground up, that supports the long-term product mission through a

collaborative and innovative team of developers.

- The company also respects family life, and a lot of colleagues manage their work load in an 8.5 hour door-to-door day, with an hour at home for lunch if desired. Though the right candidate will happily work towards project deadlines as required.
- The company is open to implementing new practices and development tools and ideas from their previous experience.

Potential 3 Month Candidate Success Criteria:

- Strong grasp of existing, rather complex architecture and target industry
- Efficiently resolving bug fixes and deploying them with improved QA (unit test, automated integration test where possible)
- Development of a complete medium size project (2-3 sprint) available for testing by production end-users
- Effective communication with customers, back-end Devs (support team) and colleagues

Potential 6 Month Candidate Success Criteria:

- Successfully deployed a few features
- Having now grasped the different layers of the product, being able to effectively estimate development sprints required to deploy new features
- Improved product customer satisfaction feedback having delivered on sort after features
- Reduced dependence on NZ developers for issue resolution, new features and expertise input

Potential 12 Month Team Success Criteria:

- Through collaboration with back-end developers and support team, successfully migrate and/or reengineer key feature/s from existing software into the new web application.

- Reduced support load across existing ILR products due to improved QA (unit tests, integration tests) and adoption of ILROnline by existing clients.
- Clear roadmap for 2020+ with a growing team to support a growing product.
- Job satisfaction across the board