SecureKey Labs Team Job Posting: Software Developer Intern

SecureKey is a dynamic and growing start-up developing secure online authentication and payment solutions. SecureKey is a well funded Toronto-based start-up, led by Greg Wolfond, Entrepreneur of the Year (2000), Top 40-under-40 (1995), and founder of 724 Solutions and Footprint Software.

SecureKey is looking for bright and talented software developers to join its energetic Toronto-based Labs / R&D team. The Labs team is responsible for prototyping, experimenting and implementing features in our next generation identity, authentication and payment platform. Our platform is engineered for user convenience, security and scalability.

The successful candidate will enjoy collaboratively designing Web and Mobile systems, implementing designs into proof of concepts, writing formal documentation, and will demonstrate technical leadership skills.

Our current Labs projects are focusing on mobile solutions, Web 2.0 solutions, Internet-scale infrastructure, identity security and authentication solutions. These projects involve research, prototyping and experimentation, evaluation and hopefully lead to productization.

Requirements
- B.Sc. or M.Sc. in computer science or related field (or pursuing if applying for an internship)
- At least a few years of experience in Web and/or Systems technologies, but we are more interested in quality and passion than in quantity of experience
- Strong desire to learn and work with new Web technologies and architectures
- Passionate about the quality of your work
- Strong team player (who is fun to work with!)

Example Projects
Based on the candidate's background, there is a good chance we can find a mutually interesting project. Here are some examples of projects:
- Identity, security and privacy projects. We are particularly interested in projects related to securing message and cloud-based applications and identifying users while adhering to privacy legislation. For example, evaluating and integrating OpenID-Connect, SAML, U-Prove, or related schemes.
- Research mobile device platforms and capabilities (e.g., for embedded SIM applications and Near Field Communication messaging).
- Research methods for enhancing the functionality in mobile and next generation browsers to interact with local or cloud applications.
- Investigate cloud services for future platform development.
Skills
Building our next generation platform requires a wide variety of skills. Having several (the more, the better) of the following skills and experiences (or a strong desire to learn) will make your application stronger. We want you to hit the ground running.

- Web client languages: JavaScript, JQuery, HTML5, DHTML
- Mobile development: Android, BlackBerry, iPhone, Windows Mobile
- Web Server languages: Node.JS, J2EE, .Net
- Relational databases: MySql
- NoSql databases: MongoDB, Cloud Databases
- Version control: Subversion, Git
- Experience with open source or research projects
- Identity and security algorithms and protocols
- Experience designing and documenting Web application architecture (e.g., preparing formal documentation including wireframes, flow diagrams, white-papers, etc)
- Cloud Computing: Azure, AWS
- Experience working in an agile team (e.g., SCRUM)
- Research experience