

# Akhil Shelly

SOFTWARE ENGINEER · BRAMPTON, ONTARIO, CANADA

☎ (647) 210-0261 | ✉ akhil.shelly@gmail.com | 🏠 www.akhilshelly.com | 📱 /akhilshelly | 🌐 /in/akhilshelly

## Objective

---

To obtain a Software Engineering position in an environment that utilizes my extensive development experience and exposes me to new programming languages, technologies and processes.

## Skills

---

**Languages** C/C#/C++, CSS, Groovy, HTML, Java, JavaScript, GSP/JSP, MySQL, XML

**Frameworks** Bootstrap, Grails, jQuery, Spring (Boot, Core, MVC, Security)

**Tools** Ant, Atlassian Jira/Fisheye/Crucible/Bitbucket, AWS, Eclipse, IntelliJ, Jenkins, JUnit, Maven, Solr, Tomcat

**Misc** Bash, LaTeX, Linux (Ubuntu), Hibernate, Windows

## Professional Experience

---

### Software Engineer (AWS, Grails, Java, Jenkins, MySQL, OpenSwan, Solr)

Richmond Hill, ON, Canada

POLICYMEDICAL / CANADA POLICYSTAT

Jan 2018 - Present

- Working under the **Scrum** framework breaking projects/tasks into chunks to estimate and prioritize in sprint planning, allowing for parallel work and consistent progress.
- Using AWS **CodeCommit, EC2, S3, SQS and CloudWatch** to implement scalable and robust features.
- Utilizing **Zoom, Slack, Git/SVN, Jira + FishEye** to collaborate with remote contractors in different timezones.
- Researching solutions for new features weighing solutions based on price, maintainability, and development time.
- Working with Client Success Team to **translate bugs and user feedback into requirements**, adding to backlog or live-patching as necessary resulting in quick resolution times and increased customer satisfaction.

### Client Support Engineer (AWS, Grails, Java, MySQL, OpenSwan)

Richmond Hill, ON, Canada

POLICYMEDICAL

Apr 2016 - Jan 2018

- **Elicited requirements** from clients in response to requests for enhancements.
- Investigated technical issues beyond basic application troubleshooting.
- Collaborated with client IT teams to implement single sign-on solutions.
- Participated in recurring **backlog grooming** activities as defined by the **Scrum** framework.
- Responsible for **onboarding, training and mentoring** new hires.

### Design Engineer (Ant, Java, Groovy, Jenkins, Spring)

Burlington, ON, Canada

EVERTZ MICROSYSTEMS, LTD.

Aug 2009 - Apr 2016

- Worked in **cross-functional teams** to elicit requirements, gather feedback on features, and implement requests to the satisfaction of clients.
- Made use of **SVN** to collaborate with a team in India. Successfully trained the lead of the Indian team.
- Responsible for **onboarding, training and mentoring** new hires.

## Education

---

### Bachelor of Engineering, Specialized Honours in Software Engineering

Hamilton, ON, Canada

MCMASTER UNIVERSITY

Apr 2009

## Related Projects

---

### **Policy Manager & Contracts Manager (AWS, Grails, MySQL, Solr, Tomcat)**

*PolicyMedical*

POLICY/CONTRACTS MANAGEMENT APPLICATION AND REGULATION AND STANDARDS MODULE

*Apr 2016 - Present*

- Making use of **Grails** and **AWS EC2, S3 & RDS** to extend and maintain a Web Application for Policy and Contract management, allowing for easy collaborative authoring, reviewing and reporting, etc.
- Collaborating with Regulatory Bodies creating **REST endpoints** to integrate functionality with other systems including importing Health Standards to link to Policies or Contracts for easier and more accurate auditing.

### **Client Migrations (Java)**

*PolicyMedical*

MIGRATING CLIENT DOCUMENTS TO POLICYMANAGER

*Nov 2016 - Jun 2017*

- Collaborated with client IT teams in order to migrate documents from a pre-existing system to PolicyManager.
- Implemented **Java** projects to **increase efficiency and accuracy** while validating and manipulating client metadata and files.

### **Technical Support (AWS, Code Tracing, MySQL, OpenSwan)**

*PolicyMedical*

INITIAL INVESTIGATION OF TECHNICAL ISSUES

*Apr 2016 - Jan 2018*

- Utilized **AWS VPC and OpenSwan** to implement VPN tunnels between the PolicyMedical cloud infrastructure and client networks.
- Investigated **VPN/LDAP** and **SAML** SSO issues experienced by clients. Solutions were implemented or issues were escalated to the Engineering team for resolution.
- Investigated client reports of issues within PolicyManager. Investigations involved **tracing code, reproducing the issue, writing MySQL queries** and ended with forwarding suggestions to the Engineering team for consideration and implementation.

### **VistaLINK Pro (VLPRO) (Java, Groovy, Jenkins, Spring)**

*Evertz Microsystems, Ltd*

NETWORK MANAGEMENT SYSTEM FOR BROADCAST, CABLE, SATELLITE, AND IPTV INDUSTRY

*Aug 2009 - Apr 2016*

- Maintained and extended a **Java Swing + Spring** client-server application for configuring and managing networked devices as part of an operational ecosystem.

### **ProdMon / TPD Toolkit (Java, Groovy, Jenkins, Spring)**

*Evertz Microsystems, Ltd*

STANDALONE JAVA APPLICATIONS

*Aug 2009 - Apr 2016*

- Maintained and extended an internal **Java Swing** tool, *ProdMon*, which was used to generate the basic framework of a VLPRO driver.
- Developed a separate product titled *Third Party Driver Toolkit* based on the ProdMon tool which **was subsequently sold to clients**. This tool allowed clients to generate their own VLPRO drivers to communicate with non-Evertz (third-party) hardware.

### **VistaLINK Pro Drivers (Ant, Java)**

*Evertz Microsystems, Ltd*

CREATION AND MAINTENANCE OF PLUGIN MODULES

*Aug 2009 - Apr 2016*

- Gained a deep understanding of the **Simple Network Management Protocol (SNMP)**, which was used by VLPRO to communicate with networked hardware.
- Created, maintained, and extended software modules that plugged in to VLPRO in order to communicate with hardware developed by Evertz.